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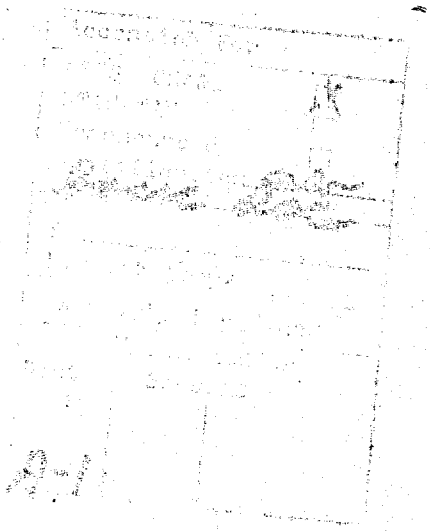
Appendix G
REFERENCES



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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

This Phase II, Stage 2 Installation Restoration Program Confirmation/Quantification survey for Moody Air Force Base, Georgia investigated four sites: Site 1, Southwest Landfill; Site 2, an underground waste fuel storage area; Site 3, the flight line storm drainage outfall area; and, Site 4, the Moody AFB water supply well at the Grassy Pond annex. Sites 1 and 4 required additional investigation as a result of the Phase II, Stage 1 investigation conducted in 1985. Sites 2 and 3 were investigated for the first time during this Stage 2 effort.

The scope of work consisted of conducting hydrogeologic investigations at Sites 1 and 2, and water quality sampling and analyses at Sites 1, 2, 3, and 4. Three deep (80 feet) wells and six shallow (30 feet) wells were installed around the perimeter of the Site 1 landfill. Seven temporary wellpoints, one standard penetration test boring, and four shallow monitor →over

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ABSTRACT (continued)

wells (30 feet) were installed at the Site 2 waste fuel storage area. Groundwater quality samples were collected from all of the new wells at Sites 1 and 2, from two of the existing monitor wells at the Site 1 landfill, and from Moody water supply well No. 7 near Site 1. Water level, organic vapor, and floating product thickness measurements were performed on the temporary wellpoints at Site 2. Four soil samples were collected during the standard penetration test at Site 2. Surface water samples and sediment samples were collected from five different locations which could have been affected by the Site 3 flight line storm drainage outfall. Groundwater quality samples were collected from the Site 4 water supply well No. 10.

Results of the investigations were evaluated and recommendations for site classification pursuant to USAFOEHL categories were developed:

- Groundwater at Site 1 contains low levels of VOCs, cresol, naphthalene, and phenols. Levels of chromium and cadmium are above MCLs in some wells. Although no significant threats to human health or environmental quality appear imminent, additional monitoring is recommended (Category 2 classification).

- Groundwater at Site 2 is contaminated with VOCs. No floating JP-4 plume appears to exist. The unsaturated zone contains significant levels of hydrocarbons which probably serve as a continual source of contamination. Because benzene (a known human carcinogen) is present, the site is recommended for Category 3 classification and remedial action alternatives are tentatively identified.

- Sediments at Site 3 contain significant levels of petroleum hydrocarbons and lead concentrations are elevated. Surface waters do not contain significant levels of VOCs, petroleum hydrocarbons, or lead. Additional data are necessary to fully evaluate public health implications. The site is therefore recommended for Category 2 classification and additional monitoring.

- Groundwater from the Site 4 water well No. 10 contains no VOCs. Because it remains unclear whether levels of THMs previously measured are a recurring problem, additional monitoring is recommended (Category 2 classification).

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Keywords!

The waste characteristics category is scored in three steps. First, a point rating is assigned based on an assessment of the waste quantity and the hazard (worst case) associated with the site. The level of confidence in the information is also factored into the assessment. Next, the score is multiplied by a waste persistence factor, which acts to reduce the score if the waste is not very persistent. Finally, the score is further modified by the physical state of the waste. Liquid wastes receive the maximum score, while scores for sludges and solids are reduced.

The scores for each of the three categories are then added together and normalized to a maximum possible score of 100. Then the waste management practice category is scored. Sites at which there is no containment are not reduced in score. Scores for sites with limited containment can be reduced by 5 percent. If a site is contained and well managed, its score can be reduced by 90 percent. The final site score is calculated by applying the waste management practices category factor to the sum of the scores for the other three categories.

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Appendix I
HAZARDOUS ASSESSMENT RATING METHODOLOGY

ROY M. DUKE, JR.
Senior Engineer

Education

M.S., Industrial Engineering, Stanford University
B.S., Aerospace Engineering, Oklahoma University
B.S., Commercial Science, Oklahoma School of Business

Experience

Mr. Duke is a senior project manager with CH2M HILL with responsibility for planning and executing projects that draw upon his expertise in environmental program administration. He also provides senior review and quality control on projects involving industrial wastewater treatment, leaking underground storage tanks, and underground injection systems.

Previous to joining CH2M HILL, Mr. Duke was the District Manager for the Southeast District of the Florida Department of Environmental Regulation. He was directly responsible for permitting and enforcement of facilities regulated by Florida environmental laws, including those handling hazardous and solid wastes, domestic and industrial wastewater treatment, and underground injection and storage.

As District Manager, Mr. Duke reviewed and approved the remedial action plans to clean up hazardous waste sites at the Pratt & Whitney plant in Palm Beach County, the Florida Steel site in Martin County, and the Grumman Aircraft impoundment in Martin County. He performed detailed technical analyses of the remedial action plans, negotiated changes to strengthen the plans, and negotiated and signed consent orders to ensure implementation. Mr. Duke also reviewed and approved closure plans for five major landfills and was responsible for permitting construction and operation of all of the active landfills in southeast Florida as well as two major solid waste resource recovery facilities in Dade and Palm Beach Counties.

Mr. Duke was responsible for permitting construction and operation of many small and major industrial and domestic wastewater treatment facilities in southeast Florida. He also reviewed and approved over 25 Class 1 injection wells in southeast Florida and participated in writing the Florida Administrative Code for underground injection control. Mr. Duke is currently engaged in developing an alternative method for confirming the mechanical integrity of existing Class I injection wells.

Mr. Duke was responsible for implementing the leaking underground storage tank program in southeast Florida. He

ROY M. DUKE, JR.

has performed detailed technical reviews of and approved numerous contamination assessment plans and remedial action plans for service stations, petroleum product depots, airport refueling facilities, and pipelines.

While working as a research and development engineer in the U.S. Air Force, Mr. Duke developed several devices for removal and reclamation of silver from spent photographic solutions and waste film.

Professional Registration

Professional Engineer, Florida

Membership in Professional Organizations

Tau Beta Pi
Water Pollution Control Federation

gnRE1

NORMAN N. HATCH, Jr., P.E.
Hazardous Waste Program Manager

EDUCATION

M.S., Environmental Engineering, University of Florida
M.S., Analytical Chemistry, University of Florida
B.S., Chemistry, University of New Hampshire

EXPERIENCE

Mr. Hatch's experience includes hazardous waste projects, laboratory and pilot treatability studies, process design of industrial wastewater treatment facilities, and process design of municipal water and wastewater treatment facilities.

Mr. Hatch is currently the program manager for the development of remedial action plans for uncontrolled hazardous materials disposal sites at U.S. Air Force installations throughout the Southeast. The remedial action plans include preliminary screening and detailed evaluation of alternatives followed by conceptual design documents for the selected site remedial actions. Community relations, regulatory agency interface, and environmental assessments are included in the remedial action planning process.

Mr. Hatch was the project manager for a turnkey remedial action cleanup at the Sydney Mine waste disposal site in Hillsborough County, Florida. As prime cleanup contractor and engineer, CH2M HILL is directing specialty subcontractors on several remedial action elements including incineration of waste pond contents onsite using a mobile rotary kiln incinerator, installation of a soil/clay groundwater cutoff wall and groundwater recovery system, construction of an onsite treatment plant including air stripping and activated carbon for groundwater treatment, and construction of a spray irrigation system for treated effluent disposal. The duration of the site cleanup project was nineteen months.

Mr. Hatch was responsible for hazardous materials disposal site evaluations for 34 U.S. Air Force installations throughout the United States. The site assessments were conducted to determine the potential for hazardous contaminant migration from past disposal practices and to recommend followup actions. He was also the project administrator for remedial action investigations at McClellan Air Force Base where extensive groundwater contamination has occurred from numerous industrial waste disposal pits. Work conducted on this project included surface geophysics, exploratory soil borings, shallow and

deep monitoring wells, design of an immediate remedial measure, and a feasibility study and conceptual design for long-term remedial action.

Mr. Hatch is also a principal investigator in the Biscayne Aquifer-Dade County REM/FIT project, which includes the evaluation of the size and extent of major well field contamination from numerous potential sources in the study area. A comprehensive remedial investigation was conducted, which included installing 31 monitoring wells, 6 rounds of sampling of these new wells and 80 existing wells, and evaluation of the data. A feasibility study is currently underway to determine the appropriate source control or offsite remedial measures for protection of the water supply. He is also a technical advisor for a remedial investigation and feasibility study for the Pepper Steel and Alloy superfund site in Dade County, Florida, where extensive PCB contamination has occurred as a result of past transformer recycling operations.

Mr. Hatch also participated in a comprehensive RCRA compliance program for Gulf Oil Company's Port Arthur Refinery in Texas.

Mr. Hatch has extensive experience in industrial wastewater treatment projects. He served as project manager of a feasibility study for treatment of high nitrogen industrial wastewater from the Air Products and Chemical, Inc., manufacturing complex in Pensacola, Florida. Treatment technologies investigated included aerated lagoons, oxidation ponds, anaerobic treatment ponds, spray irrigation, activated carbon, and air stripping. Mr. Hatch also served as project manager of a comprehensive treatability and process selection study for the American Cyanamid Fibers Division plant in Milton, Florida. Wastewater treatment processes investigated included spray irrigation, deep well injection, activated sludge, rotating biological contactors, anaerobic contact treatment, activated carbon, ion exchange, and chemical coagulation. In addition, Mr. Hatch has served as project manager for several other treatability and process selection studies for industrial clients, including Arizona Chemical Company, Kaiser Agricultural Chemicals, and Engelhard Minerals and Chemicals. He has also provided assistance in the investigation of state and NPDES discharge permits for Air Products and Chemicals, Inc., American Cyanamid, and Kaiser Agricultural Chemicals.

Mr. Hatch has extensive experience in municipal water and wastewater treatment. He served as lead engineer for an ozone disinfection pilot plant and feasibility study for the

NORMAN N. HATCH

City of Philadelphia's Queen Lane Water Treatment Plant. Mr. Hatch was also the lead engineer in charge of process design of chemical feed systems for the Queen Lane Plant, process design and design of chemical feed and sludge handling facilities for the Alexander City, Alabama, Water Treatment Plant, and process design and design of chemical feed system modifications for the St. Augustine, Florida, Water Treatment Plant. Mr. Hatch also served as project manager for a water system master plan for the City of Ft. Pierce, Florida; design of water treatment facilities for a sugar mill in south Florida; a feasibility study of direct wastewater reuse for potable water for the City of St. Petersburg, Florida; and pilot plant investigations leading to a unique system for removal of hydrogen sulfide from potable water for the Orlando Utilities Commission, Orlando, Florida.

Mr. Hatch also has experience in municipal wastewater treatment alternative analyses and process design and in the preparation of numerous 201 facilities plans.

Professional Registration

Professional Engineer, Florida, Georgia

Membership in Professional Organizations

Phi Beta Kappa
Phi Kappa Phi
Society of Sigma Xi
Water Pollution Control Federation

Publications and Presentations

With B. Haas and M. Nielsen. Slurry Wall Economical in Dewatering of Sydney Mine Disposal Site. Proceedings of the 3rd National Conference and Exhibition on Hazardous Wastes and Hazardous Materials. March 1986.

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NORMAN N. HATCH

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gnRE1

C. ROSS SPROUL
Senior Geohydrologist

Education

B.S., Geology, Florida State University
Graduate courses, Geology and Geomorphology, Florida State University

Experience

Mr. Sproul is responsible for the design of water supply wells and underground waste disposal and monitoring wells. His responsibilities include geohydrological investigations involving municipal and industrial water supply and waste disposal projects. He also has provided geohydrologic input for and participated in numerous planning studies involving ground- and surface-water interactions and waste disposal alternatives.

Mr. Sproul's projects include well location, design, construction, and testing of municipal water supply wells in Florida and Georgia. These projects have dealt with the special problems of coastal aquifers, including seawater intrusion, well field location, safe yield, and monitoring requirements, and the special problems of limestone terrains, including surface stability, movement of pollutants, water supply, and well completion techniques. These projects have required the use of numerous exploration techniques, including core drilling; electrical, seismic, and borehole geophysical surveys; and photointerpretation methods.

In the field of underground waste disposal and monitoring, Mr. Sproul's experience includes design of facilities and monitoring systems as well as consideration of environmental effects and cost-effectiveness. Projects have included Florida Power & Light Co.; The Quaker Oats Company; American Cyanamid; Hercules, Inc.; the Cities of Stuart, Florida, Margate, Florida, and St. Petersburg, Florida; and General Waterworks Corporation, Gainesville, Florida.

In the area of geohydrological investigations, Mr. Sproul has conducted water demand projections and planning; studies of the geochemistry of natural waters, including environmental implications and use of natural tracers; and projects involving geotechnical and geohydrological considerations in power plant siting, including evaluation of licensability of sites for nuclear and fossil plants.

C. ROSS SPROUL

Professional Registration

Certified Professional Geologist (American Institute of Geological Scientists)
Professional Geologist, State of Georgia

Membership in Professional Organizations

American Association for the Advancement of Science
Association of Professional Geological Scientists
Geological Society of America
Society of Professional Well Log Analysts

Publications

Spatial Distribution of Groundwater Temperature in South Florida, in Geothermal Nature of the Floridan Plateau. Symposium, Florida Department of Natural Resources, Prepublication review. 1977.

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With C. W. Hendry. Geology and Groundwater Resources of Leon County, Florida. Florida Department of Natural Resources. 1966.

gnRE2A

WILLIAM J. McELROY

Education

Coursework; Hydrology, Mathematics, and Engineering; Florida State University, Florida A&M, and University of Central Florida
B.S., Environmental Engineering, Century University
B.S., Physical Geography, University of South Florida

Experience

Mr. McElroy is an environmental engineering scientist in the Water Resources Division. Mr. McElroy has 12 years of experience related to water resources planning and analysis, hydrological investigations, and contaminant assessment. He has been involved in remedial investigations and analyses for groundwater restoration projects in areas of Florida having hydrocarbon contamination, and has worked on a number of projects for a major oil company. His efforts on such projects have involved designing and installing monitoring wells, designing and evaluating soil test boring programs, preparing contaminant assessment reports and remedial action plans, preparing construction documents for system installations, and monitoring the progress of cleanup operations. He is also skilled in stormwater management, land treatment system evaluations, and regulatory process negotiations.

Prior to joining CH2M HILL, Mr. McElroy was the manager of the Environmental Products and Services division of the Mid-Florida Mining Company in Lowell, Florida. In this capacity, he was responsible for the geotechnical development and marketing of TERRA-SEAL, a clay mineral liner used for seepage control; bid estimates for product installations; construction management aspects of liner projects, including inspection and testing; and overall quality control program for company consumer products.

While employed by a small engineering consulting firm in Gainesville, Florida, Mr. McElroy managed the Greenville sanitary landfill closure, including the development of a groundwater monitoring and final facility closure plan.

Mr. McElroy was employed by the Department of Environmental Regulation as an Engineer IV for the Bureau of Wastewater Management and Grants (BWMG). As such, he managed domestic wastewater facility construction grant projects in northern and central portions of Florida. He served as primary

liaison between the Bureau and municipal officials, consulting engineers, and other agencies in all aspects of project development. He was also the Bureau's consulting hydrologist in the geotechnical review and approval of land application systems.

Mr. McElroy was also the project manager responsible for the technical and administrative development of the state's domestic wastewater facility regulations, which involved all aspects of waste collection, treatment and disposal.

Prior to this, and in other sections of the FDER, Mr. McElroy was an associate hydrologist responsible for development of technical manuals and criteria regarding the magnitude, effects and abatement of pollution from stormwater runoff; watershed investigations and data analysis on nonpoint source pollution; and hydrologic/water quality assessments for proposed land developments.

He was also the associate hydrologist responsible for designing and conducting water resource investigations for two large tracts of state-owned land in need of restoration because of development. Mr. McElroy also conducted a historical hydrologic analysis of a major river basin in support of a developing water management plan for the basin area.

Prior to working for FDER, Mr. McElroy was employed by the Florida Department of Natural Resources. He was the assistant hydrologist responsible for performing hydrologic assessments regarding land development impacts; designing and monitoring of a project to determine the effects of uncontrolled canal systems on water table drawdowns; and field investigation of water resource problems around the state.

Professional Registration

Engineer-in-Training-Florida

Membership in Professional Organizations

American Water Resource Association
National Water Well Association, Groundwater Scientists and Engineers Division

Publications

Overview of State Rule Changes Affecting Domestic Wastewater Facilities. Presented at the 1983 Florida Wastewater Management Seminar. Tallahassee, Florida.

WILLIAM J. McELROY

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Co-authored. Critical, Ethical, and Political Aspects of Water Management in Florida. The Legislative Report. Vol. III, No. 3. May 1977.

Hydrologic Study for the Three Lakes Wildlife Management Area. FDER. April 1977.

gnRE2A

REBECCA A. LANCE SVATOS
Environmental Engineer

Education

M.S., Environmental Engineering, University of Texas at Austin
B.S., Civil Engineering, University of Iowa

Experience

Ms. Svatos is a project engineer in CH2M HILL's Hazardous Waste and Industrial Processes Division, Department of Hazardous and Solid Waste Engineering. Her main responsibilities are on projects dealing with hazardous waste management and contaminant assessment. Ms. Svatos also has used computer models to study both toxic and conventional contaminants in streams and lakes and has had experience with computer modeling of contaminants in groundwater.

Ms. Svatos created a computer groundwater quality data base for a contaminant assessment investigation of a contaminated potable water well field at Deerfield Beach, Florida. She also prepared a quality assurance project plan to provide guidance in collecting water, soil, and sediment samples at the site.

For a confidential client, Ms. Svatos was involved in revising a quality assurance project plan for the closure of an industrial wastewater surface impoundment. She also prepared a general equipment decontamination plan for closure activities at this site. For a hospital in Gainesville, Florida, Ms. Svatos assisted in a wastewater characterization study primarily intended to identify sources of silver in their effluent.

Prior to joining CH2M HILL, Ms. Svatos modified an existing surface water quality computer model and applied it to Lake Travis near Austin, Texas to assess the impacts of watershed development on reservoir water quality. These modeling results are being used by the Texas Water Commission to help determine whether to allow direct wastewater discharges to Lake Travis.

With the Omaha District of the U.S. Army Corps of Engineers, Ms. Svatos was a Study Manager in the Planning Division. Her responsibilities included project scheduling and budgeting, directing the work efforts of a multi-disciplinary study team, and coordination with local, state, and federal agencies for a comprehensive water resources study of semi-arid western South Dakota. The study examined a wide

range of single and multi-purpose alternatives for meeting the municipal, rural, and agricultural water supply needs of the area.

Professional Registration

Engineer-in-Training, Iowa

Membership in Professional Organizations

American Society of Civil Engineers
Water Pollution Control Federation
Society of Women Engineers
Chi Epsilon
Phi Eta Sigma
Theta Tau

Publications and Presentations

With N. E. Armstrong, V. N. Gordon, K. D. Cleveland, R. J. Thomann, D. L. Tupa, G. R. Carlson, and J. D. Miertschin. Eutrophication Analysis Procedures for Texas Lakes and Reservoirs. Report No. 214. Center for Research in Water Resources, The University of Texas at Austin. 1986.

Development of a Two-Layer, Variable Volume Reservoir Water Quality Model with and without Varying Thermocline Depth. Master's Thesis. The University of Texas at Austin. August 1986.

Water Quality Modeling of Lake Travis. Presented at the Annual Conference of the Texas Water Pollution Control Association. San Antonio, Texas. June 1986.

THOMAS C. EMENHISER
Manager, Laboratory Services

Education

B.S., Chemistry, University of Florida

Experience

Mr. Emenhiser is manager of the full-service environmental laboratory operating from CH2M HILL's Gainesville office. He has over 12 years of experience in industrial wastewater treatment, hazardous waste assessment, and water quality investigations. He has worked on a wide variety of projects and has a broad range of experience in several technical areas.

As manager of the Gainesville laboratory, Mr. Emenhiser established the laboratory test procedures for analyzing the indicator parameters for gasoline contamination samples. The Gainesville laboratory analyzes approximately 100 samples per month for benzene, toluene, and xylenes by U.S. EPA Method 602. These compounds are the typical indicator parameters for petroleum hydrocarbon contamination studies. Mr. Emenhiser is well versed not only in the details of the analytical procedures but also in interpreting data sets that assess the extent and the source (e.g., gasoline, kerosene, diesel fuel) of contamination.

During the last several years, Mr. Emenhiser has been involved in several projects associated with the EPA's RCRA and Superfund programs. He was the project team leader for the Biscayne Aquifer groundwater sampling project. This project required groundwater sampling of 120 wells in the Miami area in accordance with EPA sampling protocol, including maintenance of field notebooks, chain of custody records, and organic/inorganic traffic reports.

Mr. Emenhiser has been the field manager for several industrial wastewater characterization and treatability studies, including those conducted for Engelhard Industries at Attapulgus, Georgia; and Hercules, Inc., at their Gibbstown, N.J. and Brunswick, Georgia facilities. His responsibilities on these projects included the characterization of the strength and quantity of wastewater streams to determine their overall pollutant load and the evaluation of alternative experimental techniques (e.g., dissolved air flotation, activated carbon adsorption, jar test coagulation, and bench-scale biological reactors) for development of the optimum treatment/disposal system for the respective facilities.

THOMAS C. EMENHISER

Mr. Emenhiser has been involved in several process designs for industrial wastewater treatment facilities and spent 6 months in Caracas, Venezuela completing a preliminary design on the treatment of upgrader and produced wastewaters for the Lagoven Oil Company.

Mr. Emenhiser also has extensive experience in surface-water quality investigations. He has been involved in limiting nutrient investigations and non-point source water quality and quantity studies for the Florida Sugar Cane League, Deseret Ranches, and Jacksonville Suburban Utilities.

Membership in Professional Organizations

Water Pollution Control Federation
Florida Pollution Control Association

Publications

With Udai P. Singh, J.I. Garcia-Bengochea, and James E. Orban. Cleanup of Miami Drum Hazardous Waste Site. Journal of Environmental Engineering. 1984.

With Udai P. Singh. Innovative Sampling Techniques for Ground Water Monitoring at Hazardous Waste Sites. Ground Water Monitoring Review. 1984.

With Udai P. Singh, Norman N. Hatch, J.I. Garcia-Bengochea, and James E. Orban. Remedial Investigations at Biscayne Aquifer Hazardous Waste Sites. Presented at the American Society of Civil Engineers Specialty Conference on Environmental Engineering, Los Angeles, California. 1984.

With Rufus J. Bruner, Norman N. Hatch, and Udai P. Singh. Sampling Procedures for the Biscayne Aquifer Protection Study. Presented at the National Water Well Association's Fourth National Symposium and Exposition on Aquifer Restoration and Ground Water Modeling, Columbus, Ohio. 1984.

With Ross Sproul. Effects of Hydrogen Sulfide in Florida Groundwaters. Presented at the Third Annual Groundwater Symposium of the Northwest Florida Water Management District.

ERIC W. MEYER
Hydrogeologist

Education

Graduate studies, Geology, University of Florida
B.S., Geology, University of Florida
A.A., Geology, Miami-Dade Community College

Experience

Mr. Meyer specializes in groundwater geology and stratigraphic interpretation through the use of borehole geophysics. He is skilled in the design, construction, and testing of municipal water supply wells and deep disposal wells. He is also skilled in the use of CH2M HILL borehole geophysical logging equipment.

Mr. Meyer provided the stratigraphic interpretation and examination of formation samples for the City of Margate deep disposal well and monitoring well system, the City of Sunrise deep disposal and monitoring well system, Pratt and Whitney Aircraft deep disposal and monitoring well system, the City of St. Petersburg deep disposal well and monitoring well system, West Coast Regional Water Supply Authority (WCRWSA) Van Dyke Road test production well, WCRWSA Tampa Bypass Canal project, and WCRWSA Starkey Well Field.

Mr. Meyer was resident geologist during the construction of the WCRWSA's Van Dyke Road test production well, the City of Margate's deep disposal and monitoring well system, and Pratt & Whitney Aircraft deep disposal and monitoring well system. His resident observation responsibilities included interfacing between the owner and the contractor, evaluating pay estimates, interpreting geophysical logs for use in the design of both water supply wells and deep disposal wells, examining formation samples for lithologic and paleontologic constituents, and performing the hydraulic testing of wells using both pump-out tests and injection tests.

Mr. Meyer participated in the Area of Review Guidance for injection wells in the State of Indiana, sponsored by the U. S. Environmental Protection Agency, Region V. A statistical evaluation of geohydrologic characteristics of the many wellfields in Indiana was accomplished and tabulated for reference. The production zone characteristics were used in a mathematical model to evaluate the areal effects of injection wells. The study provided the information necessary for evaluating the Area of Review for new injection wells and addressed the need for site specific data prior to permitting.

Mr. Meyer is experienced in optical crystallography and was involved in x-ray diffraction research in the Department of

ERIC W. MEYER

Geology at the University of Florida. The research was sponsored by the Joint Committee on Powder Diffraction Standards (JCPDS) for improvement of the powder diffraction data on phosphate minerals included in the Powder Diffraction File (PDF). Use of FORTRAN Appleman and Evans computer program for crystal structure analysis and the SANDMAN search program were both necessary for evaluation of x-ray data.

Memberships in Professional Organizations

American Association of Petroleum Geologists
Geological Society of America (GSA)
GSA Divisions: Engineering Geology, Geophysics, Hydrogeology
Miami Geological Society

gnRE2A

BRIAN D. PAINTER
Hydrogeologist

Education

M.S., Hydrogeology, Ohio University
B.S., Geology, Northern Kentucky University

Experience

Mr. Painter is responsible for technical involvement in groundwater supply and contamination work, primarily in the eastern district. His duties include water resource evaluations by computer methods, determination of pollutant movement in groundwater, aquifer evaluation by pump testing, monitoring well siting, and field inspection of drilling activities.

Mr. Painter's responsibilities have included several projects involving technical analysis of groundwater data and preparation of technical reports on the hydrogeology of hazardous waste sites, with emphasis on pollutant effects on potable groundwater supplies.

Mr. Painter served as a resident hydrogeologist and inspector for a prototype recharge/recovery well system for General Development Utilities' Peace River Water Plant, DeSoto County, Florida. His duties onsite included conducting aquifer tests, assisting in geophysical logging and interpretation, and report preparation. His involvement in other projects for General Development Utilities includes preparation of technical specifications and project coordination for Canal/Aquifer interaction studies in Port Malabar, Florida.

Other areas of technical hydrogeology Mr. Painter is familiar with include the use of three-dimensional computer models to evaluate water resource potential and the use of models to predict pollutant movement in groundwater. Mr. Painter has been able to successfully implement a groundwater modeling system on the IBM PC Micro Computers, making modeling a useful and cost-effective tool. Several successful modeling studies have been carried out to date. Most importantly, a modeling effort was used to predict the effects of the Peace River final build out wellfield in the Desota County area.

Mr. Painter has also had training in surface water hydrology and recharge evaluation methods.

Memberships in Professional Organizations

National Water Well Association
Sigma Gamma Epsilon Geologic Fraternity

BRIAN D. PAINTER

Publications

"A Three-Dimensional Hydrologic Model of Lee County, Florida," Proceedings of the First Conference on Practical Application of Ground Water Models, National Water Well Association, Worthington, Ohio, August 15-17, 1984.

RE2A

KEVIN J. FLANAGAN
Project Surveyor

Education

B.A., Education, University of Florida

Experience

Mr. Flanagan has participated in a wide variety of survey and mapping projects. His duties include supervision and scheduling of field work; project cost estimating; survey computations; courthouse research; writing legal descriptions; and preparation of computer-generated maps.

Mr. Flanagan was involved in both field and office activities for the Coastal Construction Control Line, a second-order Class II geodetic survey, on behalf of the Florida Department of Natural Resources. He directed a field crew through all phases of field work from reconnaissance and monumentation to traversing and polaris observations on over 100 miles of Florida coastline. Office work included survey computations and the preparation of legal descriptions.

As a project surveyor for the Collier County wastewater collection system in Naples, Florida, Mr. Flanagan directed high altitude photo-control surveys, 30 miles of route surveys, and various topographic and boundary surveys. His duties also included the preparation of 185 easement descriptions.

In Clay County, Florida, Mr. Flanagan supervised survey field crews obtaining the necessary information for right-of-way design surveys, a right-of-way map with legal description, and construction plans for 4.6 miles of county road.

Mr. Flanagan has worked on all phases of property, topographic, boundary, route, easement, and control surveys for a broad spectrum of clients, including: the Grand Strand Water and Sewer Authority, Conway, South Carolina; the Cities of St. Augustine, Florida and Alexander City, Alabama; the Ft. Pierce Utilities Authority, Ft. Pierce, Florida; the Englewood Water District, Englewood, Florida; the U.S. Coast Guard Base, Kodiac, Alaska; and the West Coast Regional Water Supply Authority, Pasco County, Florida.

Before joining CH2M HILL, Mr. Flanagan received training and experience with three other firms. His primary responsibilities were the construction staking of roads, drainage, and sewer systems.

KEVIN J. FLANAGAN

Professional Registration

Land Surveyor, Florida, New York

Membership in Professional Organizations

Florida Society of Professional Land Surveyors

gnRE1

USAF INSTALLATION RESTORATION PROGRAM
HAZARD ASSESSMENT RATING METHODOLOGY

BACKGROUND

The Department of Defense (DoD) has established a comprehensive program to identify, evaluate, and control problems associated with past disposal practices at DoD facilities. One of the actions required under this program is to:

> "develop and maintain a priority listing of contaminated installations and facilities for remedial action based on potential hazard to public health, welfare, and environmental impacts." (Reference: DEQPPM 81-5, 11 December 1981).

Accordingly, the United States Air Force (USAF) has sought to establish a system to set priorities for taking further actions at sites based upon information gathered during the Records Search phase of its Installation Restoration Program (IRP).

The first site rating model was developed in June 1981 at a meeting with representatives from USAF Occupational and Environmental Health Laboratory (OEHL), Air Force Engineering and Services Center (AFESC), Engineering-Science (ES) and CH2M HILL The basis for this model was a system developed for EPA by JRB Associates of McLean, Virginia. The JRB model was modified to meet Air Force needs.

After using this model for 6 months at over 20 Air Force installations, certain inadequacies became apparent. Therefore, on January 26 and 27, 1982, representatives of USAF OEHL, AFESC, various major commands, Engineering

Science, and CH2M HILL met to address the inadequacies. The result of the meeting was a new site rating model designed to present a better picture of the hazards posed by sites at Air Force installations. The new rating model described in this presentation is referred to as the Hazard Assessment Rating Methodology.

PURPOSE

The purpose of the site rating model is to provide a relative ranking of sites of suspected contamination from hazardous substances. This model will assist the Air Force in setting priorities for follow-on site investigations and confirmation work under Phase II of IRP.

This rating system is used only after it has been determined that (1) potential for contamination exists (hazardous wastes present in sufficient quantity), and (2) potential for migration exists. A site can be deleted from consideration for rating on either basis.

DESCRIPTION OF MODEL

Like the other hazardous waste site ranking models, the U.S. Air Force's site rating model uses a scoring system to rank sites for priority attention. However, in developing this model, the designers incorporated some special features to meet specific DoD program needs.

The model uses data readily obtained during the Record Search portion (Phase I) of the IRP. Scoring judgments and computations are easily made. In assessing the hazards at a given site, the model develops a score based on the most likely routes of contamination and the worst hazards at the site. Sites are given low scores only if there are clearly no hazards at the site. This approach meshes well with the

policy for evaluating and setting restrictions on excess DoD properties.

Site scores are developed using the appropriate ranking factors according to the method presented in the flow chart (Figure 1). The site rating form is provided in Figure 2 and the rating factor quidelines are provided in Table 1.

As with the previous model, this model considers four aspects of the hazard posed by a specific site: the possible receptors of the contamination, the waste and its characteristics, the potential pathways for waste contaminant migration, and any efforts to contain the contamination. Each of these categories contains a number of rating factors that are used in the overall hazard rating.

The receptors category rating is calculated by scoring each factor, multiplying by a factor weighting constant, and adding the weighted scores to obtain a total category score.

The pathways category rating is based on evidence of contaminant migration or an evaluation of the highest potential (worst case) for contaminant migration along one of three pathways. If evidence of contaminant migration exists, the category is given a subscore of 80 to 100 points. For indirect evidence, 80 points are assigned and for direct evidence 100 points are assigned. If no evidence is found, the highest score among three possible routes is used. These routes are surface-water migration, flooding, and ground-water migration. Evaluation of each route involves factors associated with the particular migration route. The three pathways are evaluated and the highest score among all four of the potential scores is used.

HAZARD ASSESSMENT RATING METHODOLOGY FLOW CHART

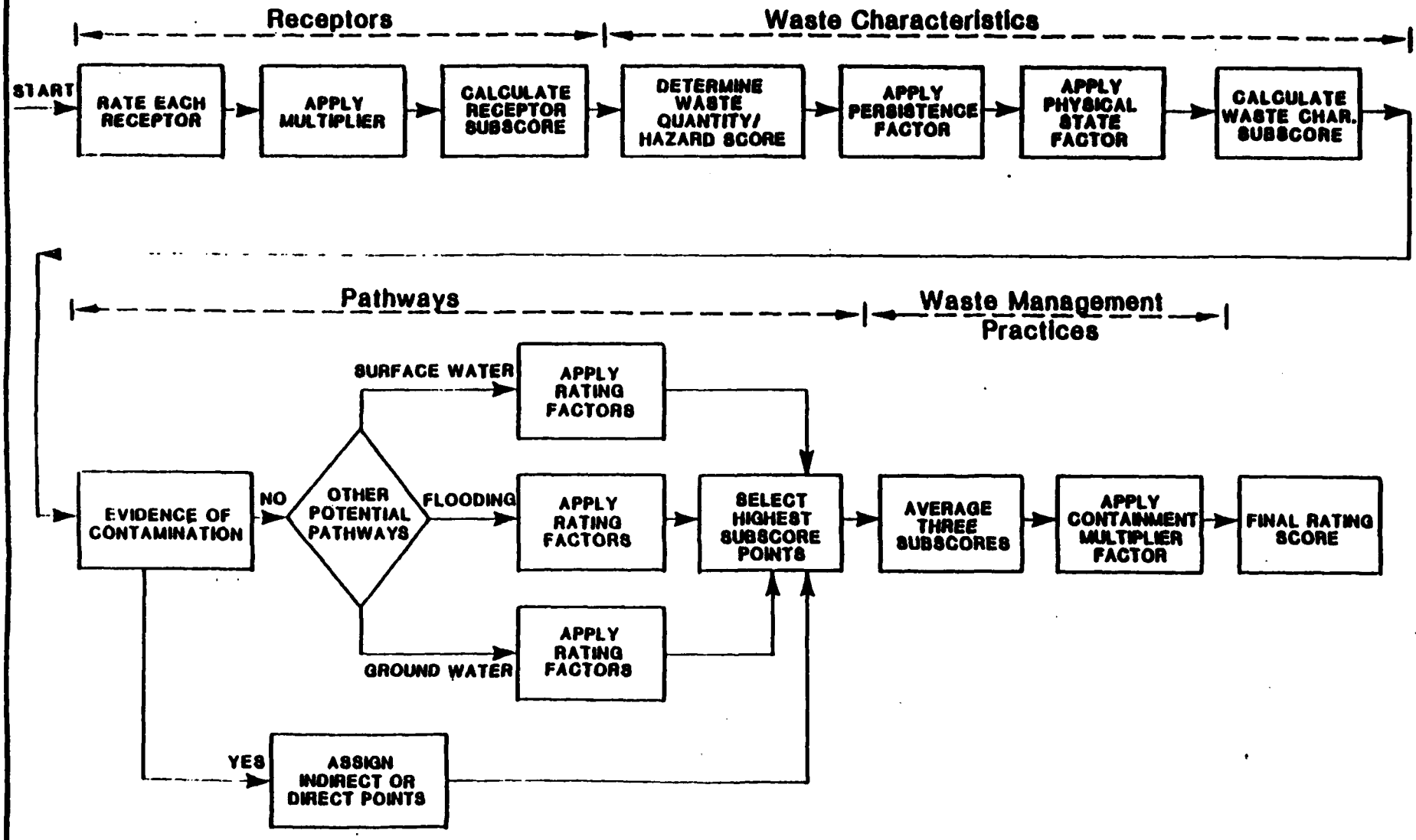


FIGURE 1

FIGURE 2

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE _____

LOCATION _____

DATE OF OPERATION OR OCCURRENCE _____

OWNER/OPERATOR _____

COMMENTS/DESCRIPTION _____

SITE RATED BY _____

I. RECEPTORS

Rating Factor	Factor Rating (0–3)	Multiplier	Factor Score	Maximum Possible Score
A. Population within 1,000 feet of site		4		
B. Distance to nearest well		10		
C. Land use/zoning within 1 mile radius		3		
D. Distance to reservation boundary		6		
E. Critical environments within 1 mile radius of site		10		
F. Water quality of nearest surface water body		6		
G. Ground water use of uppermost aquifer		9		
H. Population served by surface water supply within 3 miles downstream of site		6		
I. Population served by ground-water supply within 3 miles of site		6		
		Subtotals	_____	_____

Receptors subscore (100 X factor score subtotal/maximum score subtotal) _____

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) _____
2. Confidence level (C = confirmed, S = suspected) _____
3. Hazard rating (H = high, M = medium, L = low) _____

Factor Subscore A (from 20 to 100 based on factor score matrix) _____

B. Apply persistence factor
Factor Subscore A X Persistence Factor = Subscore B

_____ X _____ = _____

C. Apply physical state multiplier

Subscore B X Physical State Multiplier = Waste Characteristics Subscore

_____ X _____ = _____

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score

A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.

Subscore _____

B. Rate the migration potential for 3 potential pathways: surface water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.

1. Surface water migration

Distance to nearest surface water		8		
Net precipitation		6		
Surface erosion		8		
Surface permeability		6		
Rainfall intensity		8		
		Subtotals	_____	_____

Subscore (100 X factor score subtotal/maximum score subtotal) _____

2. Flooding

		1		

Subscore (100 x factor score/3) _____

3. Ground-water migration

Depth to ground water		8		
Net precipitation		6		
Soil permeability		8		
Subsurface flows		8		
Direct access to ground water		8		
		Subtotals	_____	_____

Subscore (100 x factor score subtotal/maximum score subtotal) _____

C. Highest pathway subscore.

Enter the highest subscore value from A, B-1, B-2 or B-3 above.

Pathways Subscore _____

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors _____
Waste Characteristics _____
Pathways _____

Total _____ divided by 3 = _____
Gross Total Score

B. Apply factor for waste containment from waste management practices

Gross Total Score X Waste Management Practices Factor = Final Score

_____ X _____ = [ ]

Table D-1
HAZARDOUS ASSESSMENT RATING METHODOLOGY GUIDELINES

I. **RECEPTORS CATEGORY**

Rating Factors	Rating Scale Levels 0	1	2	3	Multiplier
A. Population within 1,000 feet (includes on-base facilities)	0	1-25	26-100	Greater than 100	4
B. Distance to nearest water well	Greater than 3 miles	1 to 3 miles	3,001 feet to 1 mile	0 to 3,000 feet	10
C. Land Use/Zoning (within 1-mile radius)	Completely remote (zoning not applicable)	Agricultural	Commercial or industrial	Residential	3
D. Distance to installation boundary	Greater than 2 miles	1 to 2 miles	1,001 feet to 1 mile	0 to 1,000 feet	6
E. Critical environments (within 1-mile radius)	Not a critical environment	Natural areas	Pristine natural areas; minor wetlands; preserved areas; presence of economically important natural resources susceptible to contamination	Major habitat of an endangered or threatened species; presence of recharge area; major wetlands	10
F. Water quality/use designation of nearest surface water body	Agricultural or industrial use	Recreation, propagation and management of fish and wildlife	Shellfish propagation and harvesting	Potable water supplies	6
G. Ground-water use of uppermost aquifer	Not used, other sources readily available	Commercial, industrial, or irrigation, very limited other water sources	Drinking water, municipal water available	Drinking water, no municipal water available; commercial, industrial, or irrigation, no other water source available	9
H. Population served by surface water supplies within 3 miles downstream of site	0	1-15	51-1,000	Greater than 1,000	6
I. Population served by aquifer supplies within 3 miles of site	0	1-50	51-1,000	Greater than 1,000	6

Table D-1--Continued

II. WASTE CHARACTERISTICS

A-1 Hazardous Waste Quantity

S = Small quantity (5 tons or 20 drums of liquid)
M = Moderate quantity (5 to 20 tons of 21 to 85 drums of liquid)
L = Large quantity (20 tons or 85 drums of liquid)

A-2 Confidence Level of Information

C = Confirmed confidence level (minimum criteria below)

- o Verbal reports from interviewer (at least 2) or written information from the records
- o Knowledge of types and quantities of wastes generated by shops and other areas on base

S = Suspected confidence level

- o No verbal reports or conflicting verbal reports and no written information from the records
- o Logic based on a knowledge of the types and quantities of hazardous wastes generated at the base, and a history of past waste disposal practices indicate that these wastes were disposed of at a site

A-3 Hazard Rating

Rating Factors	Rating Scale Levels			
	0	1	2	3
Toxicity	Sax's Level 0	Sax's Level 1	Sax's Level 2	Sax's Level 3
Ignitability	Flash point greater than 200°F	Flash point at 140°F to 200°F	Flash point at 80°F to 140°F	Flash point less than 80°F
Radioactivity	At or below background levels	1 to 3 times background levels	3 to 5 times background levels	Over 5 times background levels

Use the highest individual rating based on toxicity, ignitability and radioactivity and determine the hazard rating.

Hazard Rating	Points
High (H)	3
Medium (M)	2
Low (L)	1

Table D-1--Continued

II. WASTE CHARACTERISTICS--Continued

Waste Characteristics Matrix

Point Rating	Hazardous Waste Quantity	Confidence Level of Information	Hazard Rating
100	L	C	H
80	L	C	M
	M	C	H
70	L	S	H
60	S	C	H
	M	C	H
50	L	S	M
	L	C	L
	M	S	H
	S	C	H
40	S	S	H
	M	S	M
	M	C	L
	L	S	L
30	S	C	L
	M	S	L
	S	S	M
20	S	S	L

Notes:
For a site with more than one hazardous waste, the waste quantities may be added using the following rules:

Confidence Level

- o Confirmed confidence levels (C) can be added.
- o Suspected confidence levels (S) can be added.
- o Confirmed confidence levels cannot be added with suspected confidence levels.

Waste Hazard Rating

- o Wastes with the same hazard rating can be added.
- o Wastes with different hazard ratings can only be added in a downgrade mode, e.g., MCM + SCH = LCM if the total quantity is greater than 20 tons.

Example: Several wastes may be present at a site, each having an MCM designation (60 points). By adding the quantities of each waste, the designation may change to LCM (80 points). In this case, the correct point rating for the waste is 80.

B. Persistence Multiplier for Point Rating

Persistence Criteria	Multiply Point Rating From Part A by the Following
Metals, polycyclic compounds, and halogenated hydrocarbons	1.0
Substituted and other ring compounds	0.9
Straight chain hydrocarbons	0.8
Easily biodegradable compounds	0.4

C. Physical State Multiplier

Physical State	Multiply Point Total From Parts A and B by the Following
Liquid	1.0
Sludge	0.75
Solid	0.50

Table D-1--Continued

III. PATHWAYS CATEGORY

A. Evidence of Contamination

Direct evidence is obtained from laboratory analyses of hazardous contaminants present above natural background levels in surface water, ground water, or air. Evidence should confirm that the source of contamination is the site being evaluated.

Indirect evidence might be from visual observation (i.e., leachate), vegetation stress, sludge deposits, presence of taste and odors in drinking water, or reported discharges that cannot be directly confirmed as resulting from the site, but the site is greatly suspected of being a source of contamination.

B-1 Potential for Surface Water Contamination

Rating Factors	Rating Scale Levels 0	1	2	3	Multiplier
Distance to nearest surface water (includes drainage ditches and storm sewers	Greater than 1 mile	2,001 feet to 1 mile	501 feet to 2,000 feet	0 to 500 feet	8
Net precipitation	Less than -10 inches	-10 to +5 inches	+5 to +20 inches	Greater than +20 inches	6
Surface erosion	None	Slight	Moderate	Severe	8
Surface permeability	0% to 15% clay (>10^{-2} cm/sec)	15% to 30% clay (10 to 10^{-4} cm/sec)	30% to 50% clay (10^{-4} to 10^{-6} cm/sec)	Greater than 50% clay (>10^{-6} cm/sec)	6
Rainfall intensity based on 1-year 24-hour rainfall	<1.0 inch	1.0 to 2.0 inches	2.1 to 3.0 inches	>3.0 inches	8
B-2 Potential for Flooding					
Floodplain	Beyond 100-year floodplain	In 25-year floodplain	In 10-year floodplain	Floods annually	1
B-3 Potential for Ground-Water Contamination					
Depth to ground water	Greater than 500 feet	50 to 500 feet	11 to 50 feet	0 to 10 feet	8
Net precipitation	Less than -10 inches	-10 to +5 inches	+5 to + 20 inches	Greater than +20 inches	6
Soil permeability	Greater than 50% clay (>10^{-6} cm/sec)	30% to 50% clay (10^{-4} to 10^{-6} cm/sec)	15% to 30% clay (10^{-2} to 10^{-4} cm/sec)	0% to 15% clay (<10^{-2} cm/sec)	8

Table D-1--Continued

B-3 Potential for Ground-Water Contamination--Continued

Rating Factors	Rating Scale Levels 0	1	2	3	Multiplier
Subsurface flows	Bottom of site greater than 5 feet above high ground-water level	Bottom of site occasionally submerged	Bottom of site frequently submerged	Bottom of site located located below mean ground-water level	8
Direct access to ground water (through faults, fractures, faulty well casings, subsidence, fissures, etc.)	No evidence of risk	Low risk	Moderate risk	High risk	8

IV. WASTE MANAGEMENT PRACTICES CATEGORY

A. This category adjusts the total risk as determined from the receptors, pathways, and waste characteristics categories for waste management practices and engineering controls designed to reduce this risk. The total risk is determined by first averaging the receptors, pathways, and waste characteristics subscores.

B. Waste Management Practices Factor

The following multipliers are then applied to the total risk points (from A):

Waste Management Practice	Multiplier
No containment	1.0
Limited containment	0.95
Fully contained and in full compliance	0.10

Guidelines for fully contained:

Landfills:

- o Clay cap or other impermeable cover
- o Leachate collection system
- o Liners in good condition
- o Adequate monitoring wells

Surface Impoundments:

- o Liners in good condition
- o Sound dikes and adequate freeboard
- o Adequate monitoring wells

Spills:

- o Quick spill cleanup action taken
- o Contaminated soil removed
- o Soil and/or water samples confirm total cleanup of the spill

Fire Protection Training Areas:

- o Concrete surface and berms
- o Oil/water separator for pretreatment of runoff
- o Effluent from oil/water separator to treatment plant

General Note: If data are not available or known to be complete the factor ratings under items I-A through I, III-B-1, or III-6-3, then leave blank for calculation of factor score and maximum possible score.

GNR68A

App. J

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Burma Road Landfill (Site No. 1)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1941-1946, 1951-1952

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Main Base Landfill during World War II

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	0	4	0	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	2	3	6	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	3	10	30	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	108	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 60

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) S
3. Hazard rating (H = high, M = medium, L = low) M

Factor Subscore A (from 20 to 100 based on factor score matrix) 30

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

30 x 0.8 = 24

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

24 x 1.0 = 24

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	3	8	24	24
Net precipitation	1	6	6	18
Surface erosion	1	8	8	24
Surface permeability	1	6	6	18
Rainfall intensity	3	8	24	24
		Subtotals	68	108
Subscore (100 x factor score subtotal/maximum score subtotal)				63
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	3	8	24	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	1	8	8	24
Direct access to ground water	N/A	8	--	--
		Subtotals	46	90
Subscore (100 x factor score subtotal/maximum score subtotal)				51
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	63

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	60
Waste Characteristics	24
Pathways	63
Total 147 divided by 3 =	49
	Gross Total Sc

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

49 x 1.0 = 49

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Northwest Landfill (Site No. 2)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1953-1955

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Main Base Landfill

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

Rating Factor		Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	3	4	12	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	3	3	9	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	1	10	10	30
F.	Water quality of nearest surface-water body	0	6	0	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	97	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 54

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) S
3. Hazard rating (H = high, M = medium, L = low) M

Factor Subscore A (from 20 to 100 based on factor score matrix) 30

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

30 x 0.8 = 24

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

24 x 1.0 = 24

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	3	8	24	24
Net precipitation	1	6	6	18
Surface erosion	0	8	0	24
Surface permeability	1	6	6	18
Rainfall intensity	3	8	24	24
		Subtotals	60	108
Subscore (100 x factor score subtotal/maximum score subtotal)				56
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	2	8	16	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	0	8	0	24
Direct access to ground water	N/A	8	--	--
		Subtotals	30	90
Subscore (100 x factor score subtotal/maximum score subtotal)				33
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	56

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	54
Waste Characteristics	24
Pathways	56
Total 134 divided by 3 =	45
	Gross Total Sc

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

45 x 1.0 = 45

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Southwest Landfill (Site No. 3)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1955-1972

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Main Base Landfill, includes low-level radioactive tube disposal

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	1	4	4	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	3	3	9	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	3	10	30	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	115	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 64

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) S
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 40

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

40 x 1.0 = 40

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

40 x 1.0 = 40

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	3	8	24	24
Net precipitation	1	6	6	18
Surface erosion	1	8	8	24
Surface permeability	1	6	6	18
Rainfall intensity	3	8	24	24
		Subtotals	68	108
Subscore (100 x factor score subtotal/maximum score subtotal)				63
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	2	8	16	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	1	8	8	24
Direct access to ground water	N/A	8	--	--
		Subtotals	38	90
Subscore (100 x factor score subtotal/maximum score subtotal)				42
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	63

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	64
Waste Characteristics	40
Pathways	63
Total 167 divided by 3 =	56
Gross Total Score	

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

56 x 1.0 = 56

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Northeast Landfill (Site No. 4)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1972-1978

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Main Base Landfill, contaminated soil disposal

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximu Possib Score
A.	Population within 1,000 feet of site	1	4	4	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	1	3	3	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	2	10	20	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	99	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 55

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) C
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 60

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

60 x 1.0 = 60

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

60 x 0.5 = 30

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	1	8	8	24
Net precipitation	1	6	6	18
Surface erosion	2	8	16	24
Surface permeability	2	6	12	18
Rainfall intensity	3	8	24	24
		Subtotals	66	108
Subscore (100 x factor score subtotal/maximum score subtotal)				61
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	2	8	16	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	1	8	8	24
Direct access to ground water	N/A	8	--	--
		Subtotals	38	90
Subscore (100 x factor score subtotal/maximum score subtotal)				42
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	61

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	55
Waste Characteristics	30
Pathways	61
Total 146 divided by 3 =	49
Gross Total Score	

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

49 x 1.0 = 49

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: DOT Burial Site (Site No. 5)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1973

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: 10-12 sealed drums, buried under clay cover, marked and fenced

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

Rating Factor		Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	1	4	4	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	1	3	3	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	2	10	20	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	99	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 55

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) C
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 60

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

60 x 1.0 = 60

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

60 x 1.0 = 60

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	1	8	8	24
Net precipitation	1	6	6	18
Surface erosion	1	8	8	24
Surface permeability	2	6	12	18
Rainfall intensity	3	8	24	24
		Subtotals	58	108
Subscore (100 x factor score subtotal/maximum score subtotal)				54
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	2	8	16	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	0	8	0	24
Direct access to ground water	N/A	8	--	--
		Subtotals	30	90
Subscore (100 x factor score subtotal/maximum score subtotal)				33
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	54

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	55
Waste Characteristics	60
Pathways	54
Total 169 divided by 3 =	56
Gross Total Sc	e

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

56 x 0.95 = 53

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Burma Road Fire Department Training Area (Site No. 6)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1941-1946, 1951-1955

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Earthen dike, circular area

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	0	4	0	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	2	3	6	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	3	10	30	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	108	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 60

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) S
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 40

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

40 x 0.8 = 32

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

32 x 1.0 = 32

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	3	8	24	24
Net precipitation	1	6	6	18
Surface erosion	1	8	8	24
Surface permeability	1	6	6	18
Rainfall intensity	3	8	24	24
		Subtotals	68	108
Subscore (100 x factor score subtotal/maximum score subtotal)				63
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	3	8	24	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	0	8	0	24
Direct access to ground water	N/A	8	--	--
		Subtotals	38	90
Subscore (100 x factor score subtotal/maximum score subtotal)				42
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	63

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	60
Waste Characteristics	33
Pathways	63
Total 155 divided by 3 =	52
	Gross Total

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

52 x 1.0 = 52

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Existing Fire Department Training Area (Site No. 7)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1955-Present

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: 5 identified pits within 10 acres; 1 exercise/week to 1975; 4 exercises/year 1975-

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	0	4	0	12
B.	Distance to nearest well	2	10	20	30
C.	Land use/zoning within 1 mile radius	0	3	0	9
D.	Distance to reservation boundary	1	6	6	18
E.	Critical environments within 1 mile radius of site	3	10	30	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	80	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 44

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) C
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 60

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

60 x 0.8 = 48

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

48 x 1.0 = 48

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	0
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water	2	8	16	24
Net precipitation	1	6	6	18
Surface erosion	1	8	8	24
Surface permeability	2	6	12	18
Rainfall intensity	3	8	24	24
		Subtotals	66	108
Subscore (100 x factor score subtotal/maximum score subtotal)				61
2. Flooding	0	1	0	100
		Subscore (100 x factor score/3)		0
3. Ground-water migration				
Depth to ground water	3	8	24	24
Net precipitation	1	6	6	18
Soil permeability	1	8	8	24
Subsurface flows	0	8	0	24
Direct access to ground water	N/A	8	--	--
		Subtotals	38	90
Subscore (100 x factor score subtotal/maximum score subtotal)				42
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	61

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	44
Waste Characteristics	48
Pathways	61
Total 153 divided by 3 =	51
	Gross Total S

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

51 x 1.0 = 51

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: Lily Pad Pond Fill Site (Site No. 8)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: --

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Rubble fill site, some industrial waste disposal

SITE RATED BY: N. Hatch, B. Haas, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possibl Score
A.	Population within 1,000 feet of site	0	4	0	12
B.	Distance to nearest well	2	10	20	30
C.	Land use/zoning within 1 mile radius	0	3	0	9
D.	Distance to reservation boundary	2	6	12	18
E.	Critical environments within 1 mile radius of site	3	10	30	30
F.	Water quality of nearest surface-water body	1	6	6	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	86	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 48

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) C
3. Hazard rating (H = high, M = medium, L = low) M

Factor Subscore A (from 20 to 100 based on factor score matrix) 50

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

50 x 0.8 = 40

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

40 x 1.0 = 40

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	80
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water		8		24
Net precipitation		6		18
Surface erosion		8		24
Surface permeability		6		18
Rainfall intensity		8		24
		Subtotals		108
Subscore (100 x factor score subtotal/maximum score subtotal)				
2. Flooding		1		100
		Subscore (100 x factor score/3)		
3. Ground-water migration				
Depth to ground water		8		24
Net precipitation		6		18
Soil permeability		8		24
Subsurface flows		8		24
Direct access to ground water		8		
		Subtotals		
Subscore (100 x factor score subtotal/maximum score subtotal)				
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	80

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	48
Waste Characteristics	40
Pathways	80
Total 168 divided by 3 =	56
	Gross Total

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

56 x 1.0 = 56

HAZARDOUS ASSESSMENT RATING FORM

NAME OF SITE: North POL Area (Site No. 12)

LOCATION: Moody AFB

DATE OF OPERATION OR OCCURRENCE: 1941-Present

OWNER/OPERATOR: Moody AFB

COMMENTS/DESCRIPTION: Dead trees downstream of drain outlets

SITE RATED BY: B. Haas, N. Hatch, R. Knight

I. RECEPTORS

	Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A.	Population within 1,000 feet of site	2	4	8	12
B.	Distance to nearest well	3	10	30	30
C.	Land use/zoning within 1 mile radius	3	3	9	9
D.	Distance to reservation boundary	3	6	18	18
E.	Critical environments within 1 mile radius of site	1	10	10	30
F.	Water quality of nearest surface-water body	0	6	0	18
G.	Ground-water use of uppermost aquifer	0	9	0	27
H.	Population served by surface-water supply within 3 miles downstream of site	0	6	0	18
I.	Population served by ground-water supply within 3 miles of site	3	6	18	18
			Subtotals	93	180

Receptors subscore (100 x factor score subtotal/maximum subtotal) 52

II. WASTE CHARACTERISTICS

A. Select the factor score based on the estimated quantity, the degree of hazard, and the confidence level of the information.

1. Waste quantity (S = small, M = medium, L = large) S
2. Confidence level (C = confirmed, S = suspected) S
3. Hazard rating (H = high, M = medium, L = low) H

Factor Subscore A (from 20 to 100 based on factor score matrix) 40

B. Apply persistence factor
Factor Subscore A x Persistence Factor = Subscore B

40 x 0.8 = 32

C. Apply physical state multiplier

Subscore B x Physical State Multiplier = Waste Characteristics Subscore

32 x 1.0 = 32

III. PATHWAYS

Rating Factor	Factor Rating (0-3)	Multiplier	Factor Score	Maximum Possible Score
A. If there is evidence of migration of hazardous contaminants, assign maximum factor subscore of 100 points for direct evidence or 80 points for indirect evidence. If direct evidence exists then proceed to C. If no evidence or indirect evidence exists, proceed to B.				
			Subscore	80
B. Rate the migration potential for three potential pathways: surface-water migration, flooding, and ground-water migration. Select the highest rating, and proceed to C.				
1. Surface-water migration				
Distance to nearest surface water		8		24
Net precipitation		6		18
Surface erosion		8		24
Surface permeability		6		18
Rainfall intensity		8		24
		Subtotals		108
Subscore (100 x factor score subtotal/maximum score subtotal)				
2. Flooding		1		100
		Subscore (100 x factor score/3)		
3. Ground-water migration				
Depth to ground water		8		24
Net precipitation		6		18
Soil permeability		8		24
Subsurface flows		8		24
Direct access to ground water		8		
		Subtotals		
Subscore (100 x factor score subtotal/maximum score subtotal)				
C. Highest pathway subscore				
Enter the highest subscore value from A, B-1, B-2, or B-3 above.				
			Pathways Subscore	80

IV. WASTE MANAGEMENT PRACTICES

A. Average the three subscores for receptors, waste characteristics, and pathways.

Receptors	52
Waste Characteristics	32
Pathways	80
Total 164 divided by 3 =	55
	Gross Total Sc

B. Apply factor for waste containment from waste management practices

Gross Total Score x Waste Management Practices Factor = Final Score

55 x 1.0 = 55

Appendix D
SUMMARY OF DATA FROM OTHER REPORTS

DATA FROM CH2M HILL PHASE I STUDY

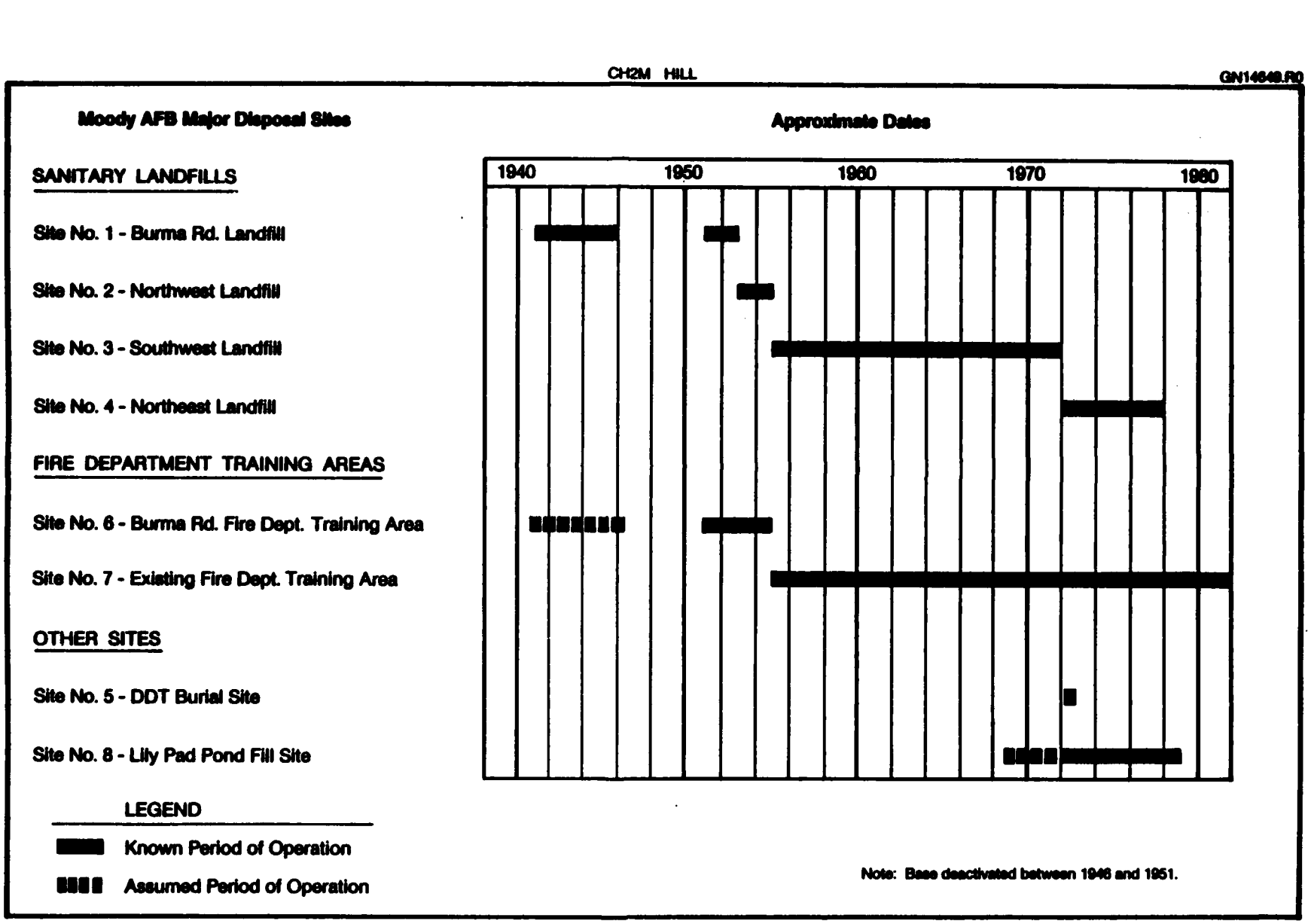


FIGURE 15. Historical summary of activities at major disposal sites at Moody AFB, Georgia—1941—1982.

Table 2
METEOROLOGICAL DATA SUMMARY FOR MOODY AFB, GEORGIA[a]

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Temperature (°F)													
Mean	52	55	61	69	75	80	82	82	79	69	60	54	68
Average Daily Maximum	61	64	71	79	85	89	91	90	87	79	70	63	77
Average Daily Minimum	42	45	51	59	65	71	73	73	70	59	50	44	59
Highest Recorded	82	86	88	95	99	104	103	100	98	94	90	83	104
Lowest Recorded	13	18	22	39	44	54	64	63	42	34	19	9	9
Precipitation (inches)													
Mean	3.3	4.0	4.7	3.9	3.9	4.3	6.2	5.4	3.4	2.0	2.6	3.3	47.0
Maximum	8.0	8.3	11.1	11.6	11.3	11.7	11.2	15.5	9.0	5.2	5.6	7.5	15.5
Minimum	0.5	1.5	0.9	0.4	0.6	0.8	1.6	1.3	0.1	T[b]	0.1	1.0	T
Relative Humidity (%)													
Mean	69	63	64	64	68	71	72	74	72	67	68	68	68
Surface Winds (knots)													
Mean	5	5	5	5	4	3	3	3	3	4	4	4	4
Maximum	44	49	48	52	51	65	45	48	46	44	41	39	65
Prevailing Direction	WNW	N	SSW	SSW	W	WSW	W	E	ENE	NE	N	N	E

Source: United States Air Force, Moody AFB, Georgia, Detachment 23, 3rd Weather Squadron.

[a]Period of Record: 1951-1981.

[b]T denotes less than 0.05 inch.

Table 5
THREATENED AND ENDANGERED SPECIES OCCURRING WITHIN THE
VICINITY OF MOODY AFB, LOWNDES AND LANIER COUNTIES, GEORGIA

Common Name	Scientific Name	State[b]	Federal	Habitat
ANIMALS				
Florida Panther[a]	Felis concolor coryi	E	E	Large wooded tracts
Red-Cockaded Woodpecker	Picoides borealis	E	E	Mature pine forests
Peregrine Falcon	Falco peregrinus	E	E	Occasional migrant
Southern Bald Eagle[a]	Haliaeetus leucocephalus	E	E	Wetland areas
American Alligator[a]	Alligator mississippiensis	E	T	Swamps and lakes
Indigo Snake	Drymarchon corais couperi	T	T	Sandhills and flatwoods
PLANTS				
Water-Milfoil	Myriophyllum laxum	T		Shallow freshwater pools
Cow-Bane	Oxypolis canbyi	T		Bogs and wet areas
Yellow Pitcher-Plant[a]	Sarracenia flava	T		Bogs and wet flatwoods
Hooded Pitcher-Plant[a]	Sarracenia minor	T		Bogs and wet flatwoods
Parrot Pitcher-Plant[a]	Sarracenia psittacina	T		Bogs and wet flatwoods
Sweet Pitcher-Plant	Sarracenia rubra	E		Bogs and wet flatwoods
Schizachyrium	Schizachyrium niveum	T		Open sandy woods

Source: Georgia Department of Natural Resources.

[a]This species has been reported from Moody AFB or the Grassy Pond Annex.

[b]E = Endangered; T = Threatened.

Table 6
MAJOR INDUSTRIAL OPERATIONS SUMMARY

Shop Name	Location (Bldg. No.)	Waste Material	Estimated Waste Quantity	Treatment/Storage/Disposal Methods
347th Transportation Squadron				
Vehicle Maintenance	977	Engine oil, Grease, Antifreeze, Hydraulic Fluid	1,000-3,000 gal/yr	Fire dept.[a]; Contractor removal; DPDO[b]
		PD 680	240 gal/yr	
Paint	904	Paint, Thinners	330 gal/yr	Fire Dept.[a] or landfill; DPDO[b]
347 TFW/CRS				
Battery/Electrical	785	Lead acid	240-360 gal/yr	Neutralized to ground surface
		Ni/Cd battery fluid	30-40 gal/yr	To sanitary sewer
		Lubricating oil	60 gal/yr	Combined with pneudraulic shop wastes
NDI Lab	702	Penetrant	108 gal/yr	DPDO[b]
		Emulsifier	110 gal/yr	Silver recovery; sanitary sewer
		Fixer	120 gal/yr	
Pneudraulics	785	PD 680	200-400 gal/yr	Fire dept.[a]; DPDO[b]
		Hydraulic fluid	55 gal/yr	
Small Gas Turbine	758	Engine Oil, Hydraulic fluid	660 gal/yr	Fire dept.[a] or DPDO[b]; DPDO[b]
		PD 680, TCE, Carbon remover, Fingerprint remover	660 gal/yr	Fire dept.[a] or storm drain; Contractor disposal; DPDO[b]
		JP-4	2,600-3,000 gal/yr	Fire dept.[a]; Fire dept.[a] or DPDO[b]; DPDO[b]
		Nitric acid, Alkaline solution	1,200-1,600 gal/yr	Contractor disposal; Sewage treatment plant
		Alkali permanganate	600-800 gal/yr	

Timeline: 1940, 1950, 1960, 1970, 1980

Table 6--Continued

Shop Name	Location (Bldg. No.)	Waste Material	Estimated Waste Quantity	Treatment/Storage/Disposal Methods 1940 1950 1960 1970 1980
347TFW/EMS				
AGE	755	Hydraulic fluid	660 gal/yr	Fire dept.[a] DPDO[b]
		Engine oil	2,000 gal/yr	
		PD 680	660 gal/yr	
		PD 680	2,000 gal/yr	Storm drain; o/w separator at AGE washrack to sanitary sewer
Armament Systems Maintenance	700	PD 680	1,320 gal/yr	DPDO[b]
Corrosion Control	717	Paint strippers	60,000 gal/yr[c]	Storm drain; Contractor removal; Controlled discharge to sanitary sewer
		Thinners		
		Mixed paints	660 gal/yr	DPDO[b]
	Washrack	PD 680	1,300-2,500 gal/yr	Storm drain; To sanitary sewer
Egress	785	Paints	440 gal/yr	Storm drain; DPDO[b]
		Thinner		
Fuel Systems	788	PD 680	60 gal/yr	o/w separator to sanitary sewer; Taken to aircraft washracks
		JP-4		
Phase Docks/Wheel & Tire	718	Paint Stripper	660 gal/yr	Fire dept.[a] DPDO[b]
		PD 680	660 gal/yr	
		Hydraulic fluid	440 gal/yr	
		JP-4	440 gal/yr	Fire dept.[a] Fuels management branch[d]

[a]Wastes placed in 55-gallon drums and taken to the fire department training areas for use in fire training exercises.

[b]DPDO = Defense Property Disposal Office; previously designated Redistribution and Marketing or Salvage. Wastes placed in 55-gallon drums and taken to central storage yard for resale, recycle, or disposal.

[c]Includes washwater.

[d]5,000-gallon underground contaminated fuel tank operated by Fuels Management Branch and located near Building No. 788; fuel is reclaimed.

Table 10
SUMMARY OF DISPOSAL SITE RATINGS

Site No.	Site Description	Subscore (% of Maximum Possible Score in Each Category)			Overall Score	Page Reference of Site Rating Form
		Receptors	Pathways	Characteristics		
1	Burma Road Landfill	60	63	24	49	J-1
2	Northwest Landfill	54	56	24	45	J-3
3	Southwest Landfill	64	63	40	56	J-5
4	Northeast Landfill	55	61	30	49	J-7
5	DDT Burial Site	55	54	60	53	J-9
6	Burma Road Fire Department Training Area	60	63	32	52	J-11
7	Existing Fire Department Training Area	44	61	48	51	J-13
8	Lily Pad Pond Fill Site	48	80	40	56	J-15
12	North POL Tank Farm	52	80	32	55	J-17

DATA FROM WAR PHASE II, STAGE 1 STUDY

Table 4-2. Results of Analyses of Environmental Samples Collected in the Vicinity of the Southwest Landfill, Moody AFB, Georgia, April and September 1984

Constituent (and units)	Well Locations					
	L-1	L-2	L-3	L-4	L-5	L-6
pH (S.U.) (April)	4.3	4.4	5.0	5.2	4.8	6.2
(September)	3.8	3.8	5.0	4.2	4.2	5.6
Specific conductance (April)	23	27	730	62	39	92
@ 25°C (umhos/cm) (September)	27	39	480	54	52	87
TOX (ug Cl/l) (April)	27	26	110	42	32	36
DOC (mg/l) (April)	<1.0	<1.0	<1.0	13.4	<1.0	<1.0
(September)	<0.5	<0.5	2.1	<0.5	<0.5	<0.5
COD (mg/l)	2.9	3.9	9.3	6.2	1.0	2.9
Oil and grease (mg/l) (April)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic (ug/l)	<2	<2	<2	<2	<2	<2
Barium (ug/l)	9	12	69	22	14	14
Cadmium (ug/l)	<6	<6	<6	<6	<6	<6
Chromium (ug/l)	<15	<15	<15	<15	<15	<15
Lead (ug/l)	<10	<10	<10	<10	<10	<10
Mercury (ug/l)	0.1	0.2	0.1	0.2	0.2	0.3
Selenium (ug/l)	<4	<4	<4	<4	<4	<4
Silver (ug/l)	<6	<6	<6	<6	<6	<6

Unless otherwise noted, samples collected in September 1984.

Table 4-3. Pesticide and Herbicide Concentrations in Samples Collected at the Southwest Landfill, Moody AFB, Georgia, September 1984

Constituent (and units)	Detection Limit	Well Locations					
		L-1	L-2	L-3	L-4	L-5	L-6
Heptachlor (ug/l)	0.005	BDL*	BDL	BDL	BDL	BDL	BDL
Heptachlor epoxide (ug/l)	0.005	BDL	BDL	BDL	BDL	BDL	BDL
Lindane (ug/l)	0.002	BDL	BDL	BDL	BDL	BDL	BDL
Chlordane (ug/l)	0.005	BDL	BDL	BDL	BDL	BDL	BDL
Toxaphene (ug/l)	0.01	BDL	BDL	BDL	BDL	BDL	BDL
Diazinon (ug/l)	0.005	BDL	BDL	BDL	BDL	BDL	BDL
Malathion (ug/l)	0.01	BDL	BDL	BDL	BDL	BDL	BDL
2,4-D (ug/l)	0.03	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-T (ug/l)	0.02	BDL	BDL	BDL	BDL	BDL	BDL
DDT-R (ug/l)†	0.03	BDL	BDL	BDL	BDL	BDL	BDL

*BDL = Below detection limit.
†DDT-R represents the total of the following six isomers: o,p DDE; p,p DDE; o,p DDD; p,p DDD; o,p DDT; and p,p DDT. Detection limit (0.02 ug/l) is for each isomer.

Table 4-4. Concentrations of Volatile Organic Compounds Found in Samples Collected at the Southwest Landfill, Moody AFB, Georgia, September 1984

Compound	Detection Limit*	Well Locations L-3	Well Locations L-6
METHOD 601			
Bromodichloromethane	1.0	BDL†	BDL
Bromoform	1.0	BDL	BDL
Bromomethane	1.0	BDL	BDL
Carbon tetrachloride	1.0	BDL	BDL
Chlorobenzene	1.0	9.2	BDL
Chloroethane	1.0	BDL	BDL
2-Chloroethylvinyl ether	1.0	BDL	BDL
Chloroform	1.0	BDL	BDL
Chloromethane	1.0	BDL	BDL
Dibromochloromethane	1.0	BDL	BDL
1,2-Dichlorobenzene	1.0	BDL	BDL
1,3-Dichlorobenzene	1.0	BDL	BDL
1,4-Dichlorobenzene	1.0	8.8	BDL
Dichlorodifluoromethane	1.0	BDL	BDL
1,1-Dichloroethane	1.0	BDL	BDL
1,2-Dichloroethane	0.1	BDL	BDL
Trans-1,2-Dichloroethene	1.0	BDL	BDL
1,2-Dichloropropane	1.0	BDL	BDL
Cis-1,3-Dichloropropene	1.0	BDL	BDL
Trans-1,3-Dichloropropene	1.0	BDL	BDL
Methylene chloride	1.0	BDL	BDL
1,1,2,2-Tetrachloroethane	1.0	BDL	BDL
Tetrachloroethene	1.0	BDL	BDL
1,1,1-Trichloroethane	1.0	BDL	BDL
1,1,2-Trichloroethane	1.0	BDL	BDL
Trichloroethene	1.0	2.1	BDL
Trichlorofluoromethane	1.0	BDL	BDL
Vinyl chloride	1.0	BDL	BDL
METHOD 602			
Benzene	0.5	3.7	BDL
Ethyl benzene	1.0	BDL	BDL
Toluene	1.0	BDL	BDL
Xylenes	1.0	BDL	BDL

*All values in ug/l.
†BDL = Below detection limit.

Table 4-11. Results of Analyses of Environmental Samples Collected from Existing Wells, Moody AFB, Georgia, April and September 1984

Constituent (all units)	Well Locations											
	MAFB-1	MAFB-2	MAFB-3	MAFB-4	MAFB-5	MAFB-5a	MAFB-6	MAFB-7	MAFB-8	MAFB-10	MAFB-12	MAFB-13
pH (S.U.) (April)	7.8	7.0	7.2	7.3	7.3	6.6	7.2	7.1	7.4	6.5	7.6	7.8
(September)	7.2	7.2	7.2	7.3	6.9	7.2	7.7	7.4	7.4	6.7	7.2	7.4
Specific conductance (April)	230	230	260	250	220	180	210	230	240	110	230	240
@ 25°C (umhos/cm) (September)	240	240	260	290	200	240	240	250	230	100	250	250
TOX (ug Cl/l) (April)	25	23	48	45	35	28	32	120	50	94	30	29
DOC (mg/l)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.9	<1.0	<1.0
Oil and grease (mg/l) (April)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic (ug/l)	<2	<2	<2	<2	<2	<2	<2	4	<2	<2	<2	<2
Barium (ug/l)	18	20	23	18	7	14	12	11	21	23	29	44
Cadmium (ug/l)	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Chromium (ug/l)	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Lead (ug/l)	<20	20	<20	20	20	20	<20	<20	<20	<20	<20	<20
Mercury (ug/l)	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	0.1	<0.1	0.1	0.1
Selenium (ug/l)	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Silver (ug/l)	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6

Unless otherwise noted, samples collected in September 1984.

Table 4-12. Pesticide and Herbicide Concentrations in Samples Collected from Existing Wells at Moody AFB, Georgia, September 1984

Constituent (and units)	Detection Limit	Well Locations		
		MAFB-4	MAFB-6	MAFB-8
Heptachlor (ug/l)	0.005	BDL*	BDL	BDL
Heptachlor epoxide (ug/l)	0.005	BDL	BDL	BDL
Lindane (ug/l)	0.002	BDL	BDL	BDL
Chlordane (ug/l)	0.005	BDL	BDL	BDL
Toxaphene (ug/l)	0.010	BDL	BDL	BDL
Diazinon (ug/l)	0.005	BDL	BDL	BDL
Malathion (ug/l)	0.010	BDL	BDL	BDL
2,4-D (ug/l)	0.03	BDL	BDL	BDL
2,4,5-T (ug/l)	0.02	BDL	BDL	BDL
DDT-R†	0.03	BDL	BDL	BDL

*BDL = Below detection limit.
†DDT-R represents the total of the following six isomers: o,p DDE; p,p DDE; o,p DDD; p,p DDD; o,p DDT; and p,p DDT.

Table 4-13. Static Water Levels and Surveyed Well Head Elevations for Each Well at the Southwest Landfill, Moody AFB, Georgia, April and September 1984

Well	Well Head Elevation (ft msl*)	April		September	
		Depth to Water (ft)	Elevation of Water Surface (ft msl)	Depth to Water (ft)	Elevation of Water Surface (ft msl)
L-1	218.39	5.00	213.4	9.48	208.9
L-2	222.85	7.12	215.7	11.33	211.5
L-3	218.60	5.04	213.6	7.17	211.4
L-4	222.29	5.75	216.4	10.33	212.0
L-5	227.53	9.17	218.4	14.38	213.2
L-6	237.47	5.81	231.7	14.02	223.4

*Mean sea level.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-1

Sample Location Description: SW LANDFILL (SITE 1) - EAST SIDE OF FILL, APPROX. 100 YD. FROM PERIMETER RD.

Sampled by: RDB/SJC Date: 4/24/84 Time: 1000

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	X
X	X	X	X	X	X
X	X		X		
X	X		X		X
		X			
		X			
				X	
				X	

IN SITU MEASUREMENTS

pH 4.3

Specific conductance 20 umho/cm @ 18 23 @ 25 °C

Depth to water surface from casing top 5'0"

Volume of water purged prior to sampling 18 gal.

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
(X) X X	X X 4 oz. plastic	DOC Filter, HCl, 4°C	28	T2	1563
(X) X X	X 40 ml. vials (2)	TOX 4°C	14	X1 X2	
(X) X X	X 4 oz. plastic	COD H_2SO_4, 4°C	28	D3	
(X) X X	X X 1 qt. glass/Tefl.	Oil&Grease H_2SO_4, 4°C	28	G26	
X X	1 qt. glass/Tefl.	Phenols H_2SO_4, 4°C	28		
X*	40 ml. vials (4)	VOA 4°C	14		
(X) X X	X 1 qt. glass	Metals (8) Filter, HNO_3	28**	M28	
X	1 qt. glass	Lead Filter, HNO_3	180		
(X) X†	1 qt. glass/Tefl.	Pesticides 4°C	40	C17	
(X) X†	1 qt. glass/Tefl.	Herbicides HCl, 4°C	40	H1	
X	1 qt. glass/Tefl.	DDT 4°C	40		

MISCELLANEOUS

X Record observations of fuel contamination in soil.

X Place and record number of permanent location marker.

X Describe sampling value location.

COMMENTS AND OBSERVATIONS WELL RECHARGES SLOWLY, BAILED DRY @ 7 g

(7)

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-2

Sample Location Description: _____

Sampled by: RAB/SJC Date: 4/24/84 Time: 1125

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X	X
(X)	X	X	X	X	X
(X)	X		X		
(X)	X		X		X
		X			
		X			
				X	
				X	
(X)	X	X		X	X
(X)	X	X			X
(X)	X	X		X	
(X)	X	X		X	X
	X	X			
				X*	
(X)	X	X			X
				X	
(X)					X†
(X)					X†
			X		
				X	
		X			
					X

IN SITU MEASUREMENTS

pH 4.4

Specific conductance 23 umho/cm @ 18 27 @ 25 °C

Depth to water surface from casing top 7' 1½"

Volume of water purged prior to sampling 18 gal.

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T7	15638
40 ml. vials (2)	TOX	4°C	14	X3 X4	
4 oz. plastic	COD	H_2SO_4, 4°C	28	D18	
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G25	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M14	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	C3	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H4	
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Place and record number of permanent location marker.
Describe sampling value location.

COMMENTS AND OBSERVATIONS WATER TURBID, MILKY ORANGE, NO ODOR.

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-3

Sample Location Description: SITE 1 - E SW LANDFILL
NORTHERN SIDE OF FILL EDGE OF SWAMP

Sampled by: ROB/SJC Date: 4/24/84 Time: 1045

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells	
(X)	X	X	X	X	X	IN SITU MEASUREMENTS
(X)	X	X	X	X	X	pH 5.0
(X)	X		X			Specific conductance 700 umho/cm @ 23.0 728 @ 25 °C
(X)	X		X		X	Depth to water surface from casing top 5' ½"
		X				Volume of water purged prior to sampling 18 gal.
		X				Sample depth
				X		Total water depth
				X		Auger hole depth
						Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

	Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
(X) X X	4 oz. plastic	DOC	Filter, HCl, 4°C	28	T1	1563
(X) X X	40 ml. vials (2)	TOX	4°C	14	X5 X6	
(X) X X	4 oz. plastic	COD	H_2SO_4, 4°C	28	D11	
(X) X X	1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G33	
X X	1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
X*	40 ml. vials (4)	VOA	4°C	14		
(X) X X	1 qt. glass	Metals (8)	Filter, HNO_3	28**	M8	
X	1 qt. glass	Lead	Filter, HNO_3	180		
(X) X1	1 qt. glass/Tefl.	Pesticides	4°C	40	C9	
(X) X1	1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H6	
X	1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

	X	Record observations of fuel contamination in soil.
X		Place and record number of permanent location marker.
X		Describe sampling valve location.

COMMENTS AND OBSERVATIONS WATER VERY TURBID, RET. ORANGE FOR 9 gal. THEN IMPROVED TO MILKY ORANGE, NO ODOR.

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-4

Sample Location Description: SITE 1, SW LANDFILL -

Sampled by: ROB / SJC Date: 4/24/84 Time: 0905

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DOT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	X
(X)	X	X	X	X	X
(X)	X		X		
X	X		X		X
		X			
		X			
				X	
				X	

IN SITU MEASUREMENTS

pH 5.2

Specific conductance 54 umho/cm @ 18.0 62 @ 25 °C

Depth to water surface from casing top 5'9"

Volume of water purged prior to sampling

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.*
(X) X X X X 4 oz. plastic	DOC	Filter, HCl, 4°C	28	T20,19	15640
(X) X X X 40 ml. vials (2)	TOX	4°C X13-16	14	X11,X12	
(X) X X X 4 oz. plastic	COD	H_2SO_4, 4°C	28	D8,13	
(X) X X X X 1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G27,31	
X X 1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
X* 40 ml. vials (4)	VOA	4°C	14		
(X) X X X 1 qt. glass	Metals (8)	Filter, HNO_3 M18	28**	M10,15	
X 1 qt. glass	Lead	Filter, HNO_3	180		
(X) X1 1 qt. glass/Tefl.	Pesticides	4°C C14	40	C6,8,2	
(X) X1 1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H5,8,11	
X 1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

X Record observations of fuel contamination in soil.

X Place and record number of permanent location marker.

X Describe sampling valve location.

COMMENTS AND OBSERVATIONS CONDITIONS SAME AS L-5

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

* SEE Q.C. FIELD SHEETS FOR ADDITIONAL SAMPLE NOS.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-4

Sample Location Description: Q.C.

Sampled by: _____ Date: _____ Time: _____

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	X
X	X	X	X	X	X
X	X		X		
X	X		X		X
		X			
		X			
				X	
				X	
X	X	X		X	X
X	X	X			X
X	X	X		X	
X	X	X		X	X
	X	X			
				X*	
X	X	X			X
				X	
X					X†
					X†
			X		
				X	
		X			
					X

IN SITU MEASUREMENTS

pH _____

Specific conductance _____ umho/cm @ _____ °C

Depth to water surface from casing top _____

Volume of water purged prior to sampling _____

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T19	1561
40 ml. vials (2)	TOX	4°C	14	X13 X14	
4 oz. plastic	COD	H_2SO_4, 4°C	28	D13	
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G31	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28	~~M15~~	
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M15	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	C8	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H8	
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.

Place and record number of permanent location marker.

Describe sampling value location.

COMMENTS AND OBSERVATIONS 15671 - Herbicide (H8) VOL. 875 mL
SPIKED WITH 1 mL OF 5132-D (2,4,5-T)
15671 - Pesticide (C8) VOL. 950 mL
SPIKED WITH 0.2 mL OF 5163-C (Malathion)

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-4

Sample Location Description: Q.C.

Sampled by: _____ Date: _____ Time: _____

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	X
X	X	X	X	X	X
X	X		X		
X	X		X		X
		X			
		X			
				X	
				X	
X	X	X		X	X
X	X	X			X
X	X	X		X	
X	X	X		X	X
	X	X			
				X*	
X	X	X			X
				X	
X					X†
					X†
			X		
				X	
		X			X

IN SITU MEASUREMENTS

pH _____

Specific conductance _____ umho/cm @ _____ °C

Depth to water surface from casing top _____

Volume of water purged prior to sampling _____

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
4 oz. plastic	DOC	Filter, HCl, 4°C	28		15675
40 ml. vials (2)	TOX	4°C	14	X15, X16	
4 oz. plastic	COD	H_2SO_4, 4°C	28		
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28		
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M18	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	C2, H11	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	C4	15679
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.

Place and record number of permanent location marker.

Describe sampling value location.

COMMENTS AND OBSERVATIONS 15679 - VOL. 950 mL
SPIKED WITH 1 mL 5053-D2 (TOXAPHENE)
15675 - VOL. 810 mL (M-18)
SPIKED WITH 2 mL OF COMBINED METAL SOL'N.
15675 - VOL. 40 mL EACH (X15, 16)
SPIKE WITH 50 µL OF S161-C2

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-5
Sample Location Description: SITE L, SW LANDFILL -

Sampled by: EOS / SJC Date: 4/24/84 Time: 0830

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X	X
(X)	X	X	X	X	X
(X)	X		X		
(X)	X		X		X
		X			
		X			
				X	
				X	

IN SITU MEASUREMENTS

pH 4.8
Specific conductance 35 umho/cm @ 20 39 @ 25
Depth to water surface from casing top 9'2"
Volume of water purged prior to sampling 17 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	S
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T27	15
40 ml. vials (2)	TOX	4°C	14	X7, X8	
4 oz. plastic	COD	H_2SO_4, 4°C	28	D21	
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G28	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M19	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	C7	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H3	
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil. X
Place and record number of permanent location marker. X
Describe sampling valve location. X

COMMENTS AND OBSERVATIONS WATER VERY TURBID, BRT. ORANGE, NO O

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: L-6

Sample Location Description: SITE 1, SW LANDFILL - WELL AT SW CORNER OF FILL IN BEND OF ROAD (SHOULDER)

Sampled by: RDB / SJC Date: 4/24/89 Time: 0800

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X	X
X	X	X	X	X	X
(X)	X		X		
X	X		X		X
		X			
		X			
				X	
				X	
(X)	X	X		X	X
(X)	X	X			X
(X)	X	X		X	
(X)	X	X		X	X
	X	X			
				X*	
(X)	X	X			X
				X	
(X)					X†
(X)					X†
			X		
				X	
		X			
					X

IN SITU MEASUREMENTS

pH 6.2

Specific conductance 80 umho/cm @ 18 92 @ 25 °C

Depth to water surface from casing top 5'9 3/4"

Volume of water purged prior to sampling 20 gal.

Sample depth N/A

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T10	156
40 ml. vials (2)	TOX	4°C	14	X9, X10	
4 oz. plastic	COD	H_2SO_4, 4°C	28	D7	
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G29	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M20	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	C1	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	H2	
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.

Place and record number of permanent location marker.

Describe sampling value location.

COMMENTS AND OBSERVATIONS WATER TURBID, MILKY PINK, NO ODOR.

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: MAFB-1

Sample Location Description: Main supply well No. 1, Bldg 913

Sampled by: WGT Date: 4/24/84 Time: 1045 - 1155

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DOT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	(X)
X	X	X	X	X	(X)
X	X		X		
X	X		X		(X)
		X			
		X			
				X	
				X	
X	X	X		X	(X)
X	X	X			(X)
X	X	X		X	
X	X	X		X	(X)
	X	X			
				X*	
X	X	X			(X)
				X	
X					X
					X
			X		
				X	
		X			(X)

IN SITU MEASUREMENTS

pH 7.8

Specific conductance 227 umho/cm @ 24 2310 @ 25

Depth to water surface from casing top

Volume of water purged prior to sampling ~13,000 gal.

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T-13
40 ml. vials (2)	TOX	4°C	14	X-49, X-50
4 oz. plastic	COD	H_2SO_4, 4°C	28	
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G-10
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28	
40 ml. vials (4)	VOA	4°C	14	
1 qt. ~~glass~~ plastic	Metals (8)	Filter, HNO_3	28**	M-23
1 qt. ~~glass~~ plastic	Lead	Filter, HNO_3	180	
1 qt. glass/Tefl.	Pesticides	4°C	40	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	
1 qt. glass/Tefl.	DDT	4°C	40	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Place and record number of permanent location marker.
Describe sampling ~~well~~ location.

COMMENTS AND OBSERVATIONS Sampled at hose bib on main discharge line protruding from south wall of Bldg. #13. Sulfur odor in well

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: MAFB-2

Sample Location Description: Main supply well No. 2, Bldg. 947

Sampled by: W.G.T Date: 4/24/84 Time: 0903-

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	(X)
X	X	X	X	X	(X)
X	X		X		
X	X		X		(X)
		X			
		X			
				X	
				X	

IN SITU MEASUREMENTS

pH 7.0

Specific conductance 211 umho/cm @ 20.0 237 @ 25 °C

Depth to water surface from casing top

Volume of water purged prior to sampling ~~12,000 gal~~ ~7,000 gal.

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells	Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
X	X	X		X	(X)	4 oz. plastic	DOC	Filter, HCl, 4°C	28	T-31	1566
X	X	X			(X)	40 ml. vials (2)	TOX	4°C	14	X-37, X-38	
X	X	X		X		4 oz. plastic	COD	H_2SO_4, 4°C	28		
X	X	X		X	(X)	1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G-14	
	X	X				1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
				X*		40 ml. vials (4)	VOA	4°C	14		
X	X	X			(X)	1 qt. ~~glass~~ plastic	Metals (8)	Filter, HNO_3	28**	M-33	
				X		1 qt. glass	Lead	Filter, HNO_3	180		
X					X†	1 qt. glass/Tefl.	Pesticides	4°C	40		
					X†	1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		
			X			1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.

Place and record number of permanent location marker.

(X) Describe sampling ~~valve~~ location.

COMMENTS AND OBSERVATIONS Sampled at hose bib 54. from pump in main discharge line

*To be archived.

†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.

**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: MAFB-3

Sample Location Description: Main Supply Well No. 3, Bldg. 954

Sampled by: WGT Date: 4/24/84 Time: 1100

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DDT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	(X)
X	X	X	X	X	(X)
X	X		X		
X	X		X		(X)
		X			
		X			
				X	
				X	
X	X	X		X	(X)
X	X	X			(X)
X	X	X		X	
X	X	X		X	(X)
	X	X			
				X*	
X	X	X			(X)
				X	
X					X†
					X†
			X		
				X	
		X			(X)

IN SITU MEASUREMENTS

pH 7.2

Specific conductance 250 umho/cm @ 22 2650 @ 25°

Depth to water surface from casing top

Volume of water purged prior to sampling ~ 28,000 gal.

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	*Sam N
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T-12, T-30	156
40 ml. vials (2)	TOX	4°C	14 *	X-53, X-54 → X-67, X-68	
4 oz. plastic	COD	H_2SO_4, 4°C	28		
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G-20, G-46	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M-30 M-12, M-21	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		
1 qt. glass/Tefl.	DDT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Place and record number of permanent location marker.
Describe sampling value location.

COMMENTS AND OBSERVATIONS Sampled at base b.b in main discharge line just inside east wall of Bldg. 954

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

* X-51, X-52 also

** SEE FIELD Q.C. SHEETS ADDITIONAL SAMPLE NOS.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET

Sampling Site/Well No.: MAFB-3

Sample Location Description: Q.C.

Sampled by: _____ Date: _____ Time: _____

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	DOT Area Wells	POL Area Auger Holes	Potable Wells
X	X	X	X	X	X
X	X	X	X	X	X
X	X		X		
X	X		X		X
		X			
		X			
				X	
				X	
X	X	X		X	X
X	X	X			X
X	X	X		X	
X	X	X		X	X
	X	X			
				X*	
X	X	X			X
				X	
X					X†
					X†
			X		
				X	
		X			
					X

IN SITU MEASUREMENTS

pH _____

Specific conductance _____ umho/cm @ _____ °C

Depth to water surface from casing top _____

Volume of water purged prior to sampling _____

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
4 oz. plastic	DOC	Filter, HCl, 4°C	28	T30	15674
40 ml. vials (2)	TOX	4°C	14	X67, X68	
4 oz. plastic	COD	H_2SO_4, 4°C	28		
1 qt. glass/Tefl.	Oil&Grease	H_2SO_4, 4°C	28	G40	
1 qt. glass/Tefl.	Phenols	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOA	4°C	14		
1 qt. glass	Metals (8)	Filter, HNO_3	28**	M12	
1 qt. glass	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		
1 qt. glass/Tefl.	DOT	4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Place and record number of permanent location marker.
Describe sampling value location.

COMMENTS AND OBSERVATIONS _____

*To be archived.
†Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
**28 days for mercury, 6 months for other metals.

MOODY AFB PHASE 11B FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-1

Sample Location Description: SW Landfill, east side of fill approximately 100 yds. from perimeter road (between landfill and Mission Lake

Sampled by: DPC/SWR Date: 6SEP84 Time: 0838 - 1302

NEED 15 gal

0858 17 GT/DRY
0948 14 GT/DRY
1022 13 GT/DRY.

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X
(X)	X	X	X	X
(X)	X			
(X)	X			X
		X		
		X		
			X	
			X	
			X	
(X)	X	X	X	
(X)	X	X	X	
X	X	X†		
(X)	X	X		X
			X	
(X)				X**
(X)				X**
			X	
				X

IN SITU MEASUREMENTS

pH 3.8

Specific conductance 27. umho/cm @ 22. °C

Depth to water surface from casing top 4' 5 3/4"

Volume of water purged prior to sampling [redacted] 11 gal

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XX 3	16576
1 pt. glass	COD	H_2SO_4, 4°C	28	C-29	
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	P4 9	
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PEC	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE 12	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-2
Sample Location Description: SW Landfill, north of eastern portion of landfill within 100 ft. of edge of fill.
Sampled by: DPE Date: 6Sep84 Time: 1200-1730

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X
(X)	X	X	X	X
(X)	X			
(X)	X			X
		X		
		X		
			X	
			X	
			X	
(X)	X	X	X	
(X)	X	X	X	
(X)	X	X†		
(X)	X	X		X
			X	
(X)				X**
(X)				X**
			X	
				X

IN SITU MEASUREMENTS

pH 3.5
Specific conductance 37 umho/cm @ (Thermo = 18°C) 21.8 °C
Depth to water surface from casing top 11' 4"
Volume of water purged prior to sampling 14 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XK311	16577
1 pt. glass	COD	H_2SO_4, 4°C	28	C27	
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PU 5	
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE 9	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE 1	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS no smell, fines settle quickly

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-3

Sample Location Description: SW Landfill north of western portion of fill; within 100 ft. from edge of fill; near edge of swamp

Sampled by: JWR Date: 6Sep Time: 1200 - 1230

Weed 17 gal

Site Completion Checklist

Landfill Wells ↓	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X
(X)	X	X	X	X
(X)	X			
(X)	X			X
		X		
		X		
			X	
			X	
			X	
(X)	X	X	X	
(X)	X	X	X	
(X*)	X	X†		
(X)	X	X		X
			X	
				X**
(X)				X**
			X	
				X

IN SITU MEASUREMENTS

pH 5.0

Specific conductance 465 umho/cm @ (Ohmmeter: 20°C) 23 °C

Depth to water surface from casing top 7'2"

Volume of water purged prior to sampling 17 gal

Sample depth

Total water depth

Auger hole depth

Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XX65'	16578
1 pt. glass	COD	H_2SO_4, 4°C	28	C31	
40 ml. vials (4)	VOC	4°C	14	V2	
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PU4	
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE2	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE5	↓

MISCELLANEOUS

Record observations of fuel contamination in soil.

Describe sampling valve location.

COMMENTS AND OBSERVATIONS NO Smell, yellow to cream colored fines, quickly settle.

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-3 QC (VOC duplicate)
Sample Location Description: SW Landfill north of western portion of fill; within 100 ft. of edge of fill near edge of swamp
Sampled by: JWP Date: 6Sep Time: 1230

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	X
X	X	X	X	X
X	X			
X	X			X
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
(X*)	X	X†		
X	X	X		X
			X	
X				X**
X				X**
			X	
				X

IN SITU MEASUREMENTS

pH _____
Specific conductance _____ umho/cm @ _____ °C
Depth to water surface from casing top _____
Volume of water purged prior to sampling _____
Sample depth _____
Total water depth _____
Auger hole depth _____
Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14	V1	16565
2 qt. plastic	Metals (8)	Filter, HNO_3	28††		
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS _____

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-4
Sample Location Description: SW Landfill, south of eastern portion of fill on north side of perimeter road
Sampled by: DR/JWR Date: 6SEP84 Time: 0545-0925

Site Completion Checklist

NEED ingot.

Landfill Wells ↓	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
⊗	X	X	X	X
⊗	X	X	X	X
⊗	X			
⊗	X			X
		X		
		X		
			X	
			X	
			X	
⊗	X	X	X	
⊗	X	X	X	
⊗	X	X†		
⊗	X	X		X
			X	
⊗				X**
⊗				X**
			X	
				X

IN SITU MEASUREMENTS

pH 4.2
Specific conductance 50 umho/cm @ (Thermo- 21 °C) 21.0 °C
Depth to water surface from casing top 10' 4"
Volume of water purged prior to sampling 15 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XX733	16579
1 pt. glass	COD	H_2SO_4, 4°C	28	C33	
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PU3	
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE11	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE3	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS yellow flocculent w/ mat'l in H2O, no smell. flow quickly settles out.

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-4 QC (duplicate all + metals spike)
Sample Location Description: SW Landfill, south of eastern portion of fill on north side of perimeter road
Sampled by: DPC/DWR Date: 6 Sept 84 Time: 0845-1125

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	X
X	X	X	X	X
X	X			
X	X			X
		X		
		X		
			X	
			X	
			X	
E	X	X	X	
X	X	X	X	
X	X	X†		
X	X	X		X
			X	
				X**
X				X**
			X	
				X

IN SITU MEASUREMENTS

pH _____

Specific conductance _____ umho/cm @ _____ °C

Depth to water surface from casing top _____

Volume of water purged prior to sampling _____

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XX674	16566
1 pt. glass	COD	H_2SO_4, 4°C	28	C32	
40 ml. vials (4)	VOC	4°C	14	~~PE2/PE1~~	
2 qt. plastic	Metals (8)	Filter, HNO_3 (2)	28††	PE2/PE1	
~~2 qt. plastic~~	~~Lead~~	~~Filter, HNO_3 (2)~~	~~180~~	PE4	
1 qt. glass/Tefl.	Pesticides	4°C (3 QC samp.)	40	PE7/PE5	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C (2 QC samp.)	40	HE4/HE2	

16570 16569 16567 16568

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS _____

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-5
Sample Location Description: SW Landfill, south of central portion of fill on south side of perimeter road
Sampled by: DPC / JWC Date: 6 Sep 84 Time: 0930 0955

need lloyd.

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X
(X)	X	X	X	X
(X)	X			
(X)	X			X
		X		
		X		
			X	
			X	
			X	
(X)	X	X	X	
(X)	X	X	X	
X	X	X†		
(X)	X	X		X
			X	
(X)				X**
(X)				X**
			X	
				X

IN SITU MEASUREMENTS

pH 4.2
Specific conductance 48 umho/cm @ (Thermo: 21°) 21 °C
Depth to water surface from casing top 14' 4½"
Volume of water purged prior to sampling 11 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	[redacted] XX 734	16580
1 pt. glass	COD	H_2SO_4, 4°C	28	C30	
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PUS	
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE 12	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE 7	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS: much yellowish floc - quickly settles. no smell.

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE II8 FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: L-6
Sample Location Description: SW Landfill upgradient well; at SW corner of fill on SW side of bend in perimeter road
Sampled by: DFC/JWR Date: 6Sep84 Time: 1600 -

need 11 gal

Site Completion Checklist

Landfill Wells ↓	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
(X)	X	X	X	X
(X)	X	X	X	X
(X)	X			
(X)	X	X		X
		X		
			X	
			X	
			X	
(X)	X	X	X	
(X)	X	X	X	
(X)	X	X†		
(X)	X	X		X
			X	
(X)				X**
(X)				X**
			X	
				X

IN SITU MEASUREMENTS

pH 5.6
Specific conductance 82 umho/cm @ (Time = 22) 21.8 °C
Depth to water surface from casing top 14' 1/4"
Volume of water purged prior to sampling 11 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
(X) 2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28	XX654	16581
(X) 1 pt. glass	COD	H_2SO_4, 4°C	28	C 26	
(X) 40 ml. vials (4)	VOC	4°C	14	V4	
(X) 2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PL6	
2 qt. plastic	Lead	Filter, HNO_3	180		
(X) 1 qt. glass/Tefl.	Pesticides	4°C	40	PE 3	
(X) 1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE 8	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS no smell, dirty-cream colored fines, quickly settl

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-1
Sample Location Description: Potable Well No. 1, Main System, Bldg. 913

Sampled by: WGT/DPC Date: 9/5/84 Time: 1630

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.25
Specific conductance 225 umho/cm @ (21.5 ohmm) SCT: 22 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~14,000 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL102	16594
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve located ~5 feet outside south wall of Bldg 913 in main discharge line

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-1 - QC
Sample Location Description: Potable Well No. 1, Main System, Bldg. 913

Sampled by: WGT/DPC Date: 9/5/84 Time: 1630

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	X
X	X	X	X	X
X	X			
X	X			X
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	X

IN SITU MEASUREMENTS

pH _____

Specific conductance _____ umho/cm @ _____ °C

Depth to water surface from casing top _____

Volume of water purged prior to sampling _____

Sample depth _____

Total water depth _____

Auger hole depth _____

Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14	→ 16573	
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	HX-21 FL-114	
2 qt. plastic	Lead	Filter, HNO_3	180	→ 16574	
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS _____

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-2
Sample Location Description: Potable Well No. 2, Main System, Bldg. 946

Sampled by: WGT/DPC Date: 9/5/84 Time: 1604

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.2
Specific conductance 234 umho/cm @ (22-therm) SCT: 23 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~~~55,500 gal.~~ ~61,160 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL100	16595
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve in main discharge line, 5 feet downstream from pump inside Bldg. 946. Strong sulfur odor.

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-3
Sample Location Description: Potable Well No. 3, Main System, Bldg. 984

Sampled by: WGT / DPC Date: 9/5/84 Time: 1628

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	(X)

IN SITU MEASUREMENTS

pH 7.2
Specific conductance 250 umho/cm @ (22-mem) SCT : 23 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~12,600 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL116	16596
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve located just outside west wall of Bldg 984. Sulfur odor

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE 118 FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-4
Sample Location Description: _____

Sampled by: WGT Date: 9/7/84 Time: 1425

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells ↓
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	(X*)
X				(X**)
X				
			X	(X)

IN SITU MEASUREMENTS

pH 7.3
Specific conductance 285 umho/cm @ 5CF. 24.5°C
Depth to water surface from casing top _____
Volume of water purged prior to sampling ~ 16,500 gal.
Sample depth _____
Total water depth _____
Auger hole depth _____
Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	HX-10	16597
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE-10	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE-101	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS No strong odors. Sampled directly from 4-inch line in access pit beside well, 65 ft. from pump

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-5
Sample Location Description: Bldg. 1114 - Ordnance Area; fire protection well

Sampled by: W6T/DPC Date: 9/5/84 Time: 1110

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 6.9
Specific conductance 190 umho/cm @ (21-therm.) SCT: 22 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~~~300 gal~~ ~2,160 gal
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL 115	16598
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve located ~3 feet downstream from well. ~~pressure~~ head, ahead of chlorine feed and pressure tank

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-5A
Sample Location Description: Ordnance Area potable well 40 feet west of Bldg. 1114 (Bldg. 1112)
Sampled by: WGT/DPC Date: 9/5/84 Time: 1543

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.2
Specific conductance 222 umho/cm @ (21.5-mom) SCT: 22 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~1800 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL 118	16599
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	~~FL 118~~	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampled at valve in 6-inch main immediately outside west wall of Bldg 1112

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-6
Sample Location Description: _____

Sampled by: WGT Date: 9/7/84 Time: 1045

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				(X)**
X				(X)**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.7
Specific conductance 225 umho/cm @ SCT: 22 °C
Depth to water surface from casing top _____
Volume of water purged prior to sampling ~ 2090 gal.
Sample depth _____
Total water depth _____
Auger hole depth _____
Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PU-17	16600
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE-102	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE-10	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampled from valve at bottom of pressure tank. Water comes directly off well; does not pass through tank

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MIDDY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-7
Sample Location Description: Bldg 1705 - Missum Lake ; Potable well

Sampled by: WGT, DPC Date: 9/5/84 Time: 1127

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.4
Specific conductance 234 umho/cm @ (21 therm.) SCT: 21.8 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~435 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL 117	16601
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling tap located at well head

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-8
Sample Location Description: _____

Sampled by: WGT Date: 9/7/84 Time: 1110

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	X
X	X	X	X	X
X	X			
X	X			X
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		X
			X	
X				X**
X				X**
			X	
				X

IN SITU MEASUREMENTS

pH 7.4
Specific conductance 225 umho/cm @ SCT: 23 °C
Depth to water surface from casing top _____
Volume of water purged prior to sampling ~16,500 gal
Sample depth _____
Total water depth _____
Auger hole depth _____
Depth to water in auger hole _____

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	PH-20	16602
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40	PE-101	
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40	HE-11	

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Water has sulfur odor. Sampled at end of discharge pipe to lake

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-10
Sample Location Description: Back-up well at Grassy Pond, 15" casing diameter

Sampled by: WGT/DPC Date: 9/5/84 Time: 1247

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	(X)

IN SITU MEASUREMENTS

pH 6.7
Specific conductance 103 umho/cm @ (23 · therm.) SCT: 24 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~80 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL 104	16603
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampled from 1-inch valve at well head, ahead of chlorinator feed. Pressure tank is ahead (downstream) of sampling location

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-12
Sample Location Description: Transmitter site potable well (Bldg. 1500)

Sampled by: WGT/DPC Date: 9/5/84 Time: 1504

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X
X				X
			X	(X)

IN SITU MEASUREMENTS

pH 7.2
Specific conductance 235 umho/cm @ SCT: 22.5 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~2080 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	HX 3	16604
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve located at bottom of pressure tank. Slight sulfur odor. Pressure tank is approx. 100 gallon capacity. Sampling location is downstream of pressure tank

*Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
**Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

MOODY AFB PHASE IIB FIELD SAMPLE SHEET
9/5-7/84 Field Trip

Sampling Site/Well No.: MAFB-13
Sample Location Description: Receiver site potable well (Bldg. 1501)

Sampled by: WGT/OPC Date: 9/5/84 Time: 1521

Site Completion Checklist

Landfill Wells	LPP Wells	LPP Surface Water	POL Area Auger Holes	Potable Wells
X	X	X	X	(X)
X	X	X	X	(X)
X	X			
X	X			(X)
		X		
		X		
			X	
			X	
			X	
X	X	X	X	
X	X	X	X	
X*	X	X†		
X	X	X		(X)
			X	
X				X**
X				X**
			X	
				(X)

IN SITU MEASUREMENTS

pH 7.4
Specific conductance 236 umho/cm @ SCT : 22 °C
Depth to water surface from casing top
Volume of water purged prior to sampling ~2220 gal.
Sample depth
Total water depth
Auger hole depth
Depth to water in auger hole

SAMPLE COLLECTION AND PRESERVATION

Container Description	Parameters to be Analyzed	Preservation Method	Holding Time (d)	Container No(s)	Sample No.
2 oz. plastic	DOC	Filter, H_2SO_4 4°C	28		
1 pt. glass	COD	H_2SO_4, 4°C	28		
40 ml. vials (4)	VOC	4°C	14		
2 qt. plastic	Metals (8)	Filter, HNO_3	28††	FL 108	16605
2 qt. plastic	Lead	Filter, HNO_3	180		
1 qt. glass/Tefl.	Pesticides	4°C	40		
1 qt. glass/Tefl.	Herbicides	HCl, 4°C	40		

MISCELLANEOUS

Record observations of fuel contamination in soil.
Describe sampling valve location.

COMMENTS AND OBSERVATIONS Sampling valve located at bottom of pressure tank. Slight sulfur odor. Pressure tank capacity is approx. 100 gal. Sampling location is downstream of pressure tank.

**Wells L-3 and L-6 only.
†Locations LPP-SW1 and LPP-SW2 only.
***Wells No. MAFB-4, MAFB-6, and MAFB-8 only.
††28 days for mercury, 6 months for other metals.

APPENDIX E

SAMPLING AND ANALYTICAL PROCEDURES

E-1.0 ANALYTICAL QUALITY CONTROL

All field sampling and quality control spiking were performed by WAR. All sample analyses, with the exception of TOX, were performed by TSI. TOX analyses were performed by UBTL. Each of the above organizations maintains a strict quality assurance/quality control (QA/QC) plan which is outlined in a detailed document. These QA/QC documents were not appended in this report due to their length. This appendix outlines QA/QC procedures directly relevant to the Moody AFB Phase II Stage 1 survey.

Accuracy of analytical techniques is assured by strict adherence to the methods listed in Table E-1. Integrity and representativeness of the sample is assured by sampling procedures described in Section E-2.0. A check on analytical quality control is provided for by duplicating a minimum of 10 percent of the samples in each analysis lot. Additional samples were collected to provide for spiking 10 percent of total phenolics and metals samples. Samples for DOC, COD, oil and grease, VOA, and VOH were not spiked. Duplicate and spike samples were labeled in such a way that the analytical laboratory could not identify them. Duplicate values were averaged to obtain a best estimate of actual concentration. When results were below detection limits, a quantity equal to one-half the detection limit (i.e., an average between the detection limit and zero) was used to numerically represent the below-detection-limit result. Results of duplicate and spike analyses are shown in Tables E-2 and E-3.

E-2.0 SAMPLING INSTRUCTIONS FOR MOODY AFB

Descriptions of sample containers, preservation methods, and holding times are given in Table E-4. Sampling procedures are outlined below for each analysis group.

Table E-1. Analytical Chemistry Methods for Water Samples, Moody AFB, Georgia

Parameter	Method	Detection Limit
pH*	EPA 150.1	—
Specific conductance*	EPA 120.1	—
Temperature*	EPA 170.1	—
Organic carbon	EPA 415.1	1 mg/l
TOX	EPA 9020†	10
Oil and grease	EPA 413.2	0.5 mg/l
Total phenolics	EPA 420.1	1
Pesticides	EPA 608H	**
Herbicides	EPA(CERI)††	**
Arsenic	EPA 200.7***	2
Barium	EPA 200.7	2
Cadmium	EPA 200.7	3
Chromium	EPA 200.7	6
Lead	EPA 200.7	20
Mercury	EPA 245.1	0.1
Selenium	EPA 200.7***	2
Silver	EPA 200.7	3

*Performed at the time of sample collection.
†EPA = EPA "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 2nd Edition, 1982.
**See Table 4-4 for detection limits.
††EPA(CERI)-Method as given in EPA Document, "Methods for Organochlorine Pesticides and Chloropenoxy Acid Herbicides in Drinking Water and Raw Source Water"
***Hydride modification.

All detection limits are in ug/l units except where noted.

Note: EPA = U.S. EPA "Methods for Chemical Analysis of Water and Wastes," March 1979—Method Number.

Table E-2. Analytics Quality Assurance Checks--Percent Recoveries for TOX, Phenolics, Metals, Pesticides, and Herbicides (Page 1 of 2)

Constituent	Unspiked Sample No.	Unspiked Sample Reported Conc.*	Field Spiked Sample No.	Field Spiked Sample Reported Level*	Field Spiked Sample Difference	Field Spiked Sample Spike Added	Field Spiked Sample Percent Recovery
TOX	15671,15640	42	15675	55	13	29	45
	15672,15649	72	15676	68	-4	59	-7
	15674,15661	48	15678	97	47	120	39
Phenolics	15649,15672	8	15676	46	38	24	150
Arsenic	16566,16579	<2	16567	11	10	14	70
	16573,16594	<2	16574	25	24	23	100
	16571,16585	2	16572	86	84	80	100
Barium	16566,16579	20	16567	100	80	140	57
	16573,16594	100	16574	220	120	230	52
	16571,16585	130	16572	890	760	800	95
Cadmium	16566,16579	<6	16567	<6	0	14	0
	16573,16594	<6	16574	22	19	23	83
	16571,16585	8	16572	92	84	80	105
Chromium	16566,16579	<15	16567	<15	0	34	0
	16573,16594	<15	16574	63	56	58	97
	16571,16585	27	16572	220	190	200	95
Lead	16566,16579	<20	16567	19	9	27	33
	16573,16594	<20	16574	40	30	46	65
	16571,16585	<20	16572	140	130	160	81

Table E-2. Analytics Quality Assurance Checks--Percent Recoveries for TOX, Phenolics, Metals, Pesticides, and Herbicides (Page 2 of 2)

Constituent	Unspiked Sample No.	Unspiked Sample Reported Conc.*	Field Spiked Sample No.	Field Spiked Sample Reported Level*	Field Spiked Sample Difference	Field Spiked Sample Spike Added	Percent Recovery
Mercury	16566,16579	0.2	16567	1.0	0.8	1.4	57
	16573,16594	0.07	16574	2.7	2.6	2.3	110
	16571,16585	0.1	16572	4.1	4.0	8.0	50
Selenium	16566,16579	<4	16567	11	9	14	64
	16573,16594	<4	16574	10	8	23	35
	16571,16585	<4	16572	76	72	79	91
Silver	16579	<6	16566†	12	9	10	90
	16594	<6	16573†	26	23	25	92
	16585	<6	16571†	69	66	75	88
Herbicide 2,4,5-T	16566,16579	<0.02	16570	9.6	9.6	16	60
Heptachlor Epoxide	16566,16579	<0.005	16569	4.4	4.4	3.8	110
Lindane	16566,16579	<0.002	16569	2.5	2.5	3.9	64
Malathion	16566,16579	<0.010	16568	16	16	38	42
o,p'-DDD	16566,16579	<0.005	16569	4.9	4.9	2.8	180
p,p'-DDD	16566,16579	<0.005	16569	6.9	6.9	4.7	150
o,p'-DDE	16566,16579	<0.005	16569	3.8	3.8	3.1	120
p,p'-DDE	16566,16579	<0.005	16569	3.0	3.0	2.7	110
o,p'-DDT	16566,16579	<0.005	16569	4.4	4.4	3.8	120
p,p'-DDT	16566,16579	<0.005	16569	4.7	4.7	5.4	87

*Units measured in ug/l.
†Laboratory spikes.

Table E-3. Analytics Quality Assurance Checks--Values Reported for Duplicate Samples (Page 1 of 2)

Constituents	Units	Sample No.	Value	Sample No.	Value
TOX	ug/l	15671	51	15640	33
		15672	75	15649	69
		15674	72	15661	25
Phenolics	ug/l	15[illegible]9	8	15672	8
DOC	mg/l	16566	<0.5	16579	<0.5
		16571	33	16585	45
COD	mg/l	16566	3.9	16579	6.2
		16571	110	16585	120
Oil & grease	mg/l	15640	<0.5	15671	<0.5
		15649	<0.5	15672	<0.5
		15661	<0.5	15674	<0.5
Arsenic	ug/l	16566	<2	16579	<2
		16573	<2	16594	<2
		16571	2	16585	<2
Barium	ug/l	16566	24	16579	20
		16573	193	16594	18
		16571	173	16585	94
Cadmium	ug/l	16566	<6	16579	<6
		16573	<6	16594	<6
		16571	16	16585	<6
Chromium	ug/l	16566	<15	16579	<15
		16573	<15	16594	<15
		16571	47	16585	<15
Lead	ug/l	16566	<20	16579	<20
		16573	<20	16594	<20
		16571	<20	16585	<20
Mercury	ug/l	16566	0.2	16579	0.2
		16573	0.1	16594	<0.1
		16571	0.2	16585	<0.1
Selenium	ug/l	16566	<4	16579	<4
		16573	<4	16594	<4
		16571	<4	16585	<4

Table E-3. Analytics Quality Assurance Checks--Values Reported for Duplicate Samples (Page 2 of 2)

Constituents	Units	Sample No.	Value	Sample No.	Value
Pesticides	ug/l	16566	BDL*(all)	16579	BDL*(all)
Herbicides	ug/l	16566	BDL*(all)	16579	BDL*(all)
VOC	ug/l	16578		16565	
Chlorobenzene			9.2		5.4
1,4-dichlorobenzene			8.8		3.7
Trichloroethane			2.1		<1.0
Benzene			3.7		<0.5
All other compounds			BDL*		BDL*
VOA-Method 503.1	ug/l	16854		16855	
Benzene			30		34
1,1,2-Trichloroethylene			2.4		2.8
a-Trifluorotoluene			<10		<10
Toluene			<1.0		<1.0
1,1,2,2-Tetrachloroethylene			5.0		6.7
Ethyl benzene			30		36
1-Chlorocyclohexene-1			<1.0		<1.0
p-Xylene			28		25
m-Xylene			<1.0		<1.0
o-Xylene			2.2		2.3
Isopropylbenzene			4.1		5.6
Styrene			<1.0		<1.0
p-Bromofluorobenzene			<1.0		<1.0
n-Propylbenzene			12		14
t-Butylbenzene			<1.0		<1.0
Bromobenzene			<1.0		<1.0
sec-Butylbenzene			<1.0		<1.0
1,3,5-Trimethylbenzene			19		22
p-Cymene			<1.0		<1.0
1,2,4-Trimethylbenzene			<10		<10
Cyclopropylbenzene			6.7		6.8
n-Butylbenzene			2.7		3.0
2,3-Benzofuran			<1.0		<1.0
Hexachlorobutadiene			<1.0		<1.0
Naphthalene			5.6		6.9

*BDL = below detection limit.

Table E-4. Sample Containers, Preservation Methods, and Holding Times

Parameter	Sample Type	Container/ Volume	Method of Preservation (Filtration, pH, etc.)	Holding Time
Oil and grease	W*	Glass, 1 qt. Teflon liner in cap	Conc. H_2SO_4 to pH <2, chill to 4°C	28 days
Phenols	W	Glass, 1 qt.	Conc. H_2SO_4 to pH <2, chill to 4°C	28 days
Metals (dissolved)	W	Plastic, 4 oz.	Filter, conc. HNO_3 to pH <2	6 months, 28 days†
TOX	W	Glass, 40 ml (2) Teflon septa	No headspace in vial, chill to 4°C	**
DOC	W	Plastic, 4 oz.	Filter, conc. HCl to pH <2, chill to 4°C	28 days
COD	W	Plastic, 4 oz.	Conc. H_2SO_4 to pH <2, chill to 4°C	28 days
Purgeables	W	Glass, 40 ml (4)	No headspace in vial, chill to 4°C	14 days
Organochloride and organophosphate Pesticides	W	Teflon septa Glass, 1 liter Teflon liner in cap	Chill to 4°C	7 days extraction, 40 days
		Glass, 1 liter		7 days extraction
Herbicides	W	Teflon liner in cap	Conc. HCl to pH <2, chill to 4°C	40 days analysis

*W = Water.
†Mercury holding time is 28 days.
**Not specified by method.

Source: U.S. Environmental Protection Agency (EPA). 1982. Technical Additions to Methods for Chemical Analysis of Water and Wastes, Table 1. EPA Environmental Monitoring and Support Laboratory, Cincinnati, Ohio. EPA-600/4-82-055, December 1982.

E-2.1 METALS

Metal samples from the wells should be from the first bailer (1 liter). Bottle should be filled to very top if dissolved metals are desired and filtration is not performed immediately.

Filtration should be as follows:

1. Glass fiber filter should be rinsed with 20 to 30 milliliters of 0.5 N HNO_3 after being placed in suction apparatus. Discard rinse.
2. Rinse filter with 20 to 30 milliliters of sample. Discard rinse.
3. Filter sample and return to bottle after the bottle has been rinsed with deionized water.
4. For membrane filtration, place filter in apparatus with gridded side up and follow Steps 1 through 3.
5. Samples must be filtered through the 0.45-microgram filter for analytes to be considered dissolved. Filtration through a glass fiber filter reduces "binding" of the membrane filter but may not be needed for samples with little turbidity.

Preserve metal samples with 2 milliliters of HNO_3 per liter (after filtration for dissolved metals), mix, and check pH by pouring small amount on pH test strip. pH should be less than 2; add more HNO_3 if necessary. Refrigeration is not necessary.

E-2.2 DOC

Bottle should be completely filled to ensure sufficient sample after filtration. Procedure is the same as that for metals except 5 N HCl is used for rinsing and concentrated HCl for preservation. These samples require refrigeration.

E-2.3 OIL AND GREASE

Sample bottles should not be filled to top due to nature of analyte. Bottles are 1-liter glass with Teflon™-lined caps. Preserve to a pH less than 2 with concentrated H_2SO_4 and refrigerate.

E-2.4 PURGEABLE ORGANICS

This sample should come from the first aliquot of a bailer to prevent the loss of any volatiles. Excess turbulence should be avoided (e.g., bubbling) when filling these bottles for the same reason. Fill bottle to an inverted meniscus, cap, and refrigerate immediately. A small convex dimple in the top of the septum indicates that the bottle is properly filled. There should be no air bubbles present in the bottle. This sample is taken in quadruplicate in 40-milliliter glass, screw-cap vials with Teflon™ septa. Preservation is by refrigeration.

E-2.5 TOX

The same procedure is used as for purgeable organics, except samples are taken in duplicate.

E-2.6 TOTAL PHENOLICS

Bottles should not be completely filled in order to leave room for spiking. Bottles are 1-liter glass with Teflon™-lined caps. Preserve to a pH less than 2 with concentrated H_2SO_4 using disposable glass pipets. Refrigerate after acidification.

E-2.7 PESTICIDES/HERBICIDES

Samples are taken in 1-liter glass bottles with Teflon™-lined caps. Separate fractions were taken for organochloride and organophosphate pesticides, and for herbicides. The herbicide fractions were preserved with concentrated HCl to pH less than 2. EPA recommends acidifying samples collected expressly for chlorophenoxy acid herbicide analysis in Section 7 of their publication "Characterization of Hazardous Waste Sites, a Methods Manual, Volume III, Available Laboratory Analytical Methods" (EPA-600/4-84-038, May 1984). They specifically suggest

H_2SO_4; WAR used HCl because we believed it would prevent bacterial decomposition and potential hydrolysis of herbicides, while not interfering with subsequent extraction.

E-2.8 CHEMICAL OXYGEN DEMAND

Samples are taken in 4-ounce plastic bottles and preserved with concentrated sulfuric acid to pH less than 2. These samples require refrigeration.

APPENDIX I

AQUIFER TESTING METHOD AND DATA PRESENTATION

I-1.0 AQUIFER HYDRAULIC TESTING

WAR performed single well aquifer tests at one well to determine values of horizontal hydraulic conductivity representative of the surrounding soil. A rising-head test[1] was used.

WAR performed this test at Moody AFB by:

1. Determining the static water level by taking a series of preliminary water level measurements,
2. Rapidly removing water from the well, and
3. Measuring the rise in water levels as a function of time.

Reduction of rising head test data was as follows:

1. Determining the time since the test started for each water level measurement, and
2. Calculating the difference (H_t) between each water level measurement and the static water level (H_o).

The data were plotted on semi-log paper as H_t/H_o versus t. The straight line portion of the plot is used to determine hydraulic conductivity from the equation.

$$K = [R^2 \ln (L/R) \ln (H_1/H_2)]/[2L(t_2-t_1)]$$

where K = hydraulic conductivity (cm/sec)

R = inside radius of the well casing (cm),

L = length of saturated soil opposite the well screen (cm),

t_1, t_2 = elapsed time (sec.), and

H_3, H_2 = Ht/Ho at t_1 and t_2, respectively.

[1]Naval Facilities Engineering Command. 1982. Soil Mechanics, Design Manual 7.1. Alexandria, Virginia. pp 7.1-103 - 7.1-108.

HYDRAULIC CONDUCTIVITY CALCULATIONS

Li. at Well L-4 equals total casing depth less depth to static water = 27.7 - 6.6 = 21.1 feet = 640 cm

From plot of recovery vs. time, two straight lines were approximated.

For first line: $H/_{Ho}$ = 0.61 at t = 5 minutes
$H/_{Ho}$ = 0.305 at t = 45 minutes

For second line: $H/_{Ho}$ = 0.66 at t = 5 minutes
$H/_{Ho}$ = 0.305 at t = 45 minutes

Radius of pipe equals 1 inch = 2.54 cm

For first line: K = 0.00048 cm/min
K = 8.1×10^{-6} cm/sec

For second line: K = 0.00068 cm/min
K = 1.1×10^{-5} cm/sec

Table J-1. Relevant EPA Water Quality Criteria (Page 1 of 5)

Parameter	Criteria for Freshwater Aquatic Life, ug/l: Acute Toxicity Level*	Chronic Toxicity Level*	Maximum 24-hr. Average	Maximum Concentration	Human Health Criteria, ug/l: Potable Water Taste/Odor Control†	Ingestion of Water and Aquatic Organisms: Ambient Criterion	10^{-6} Incremental Cancer Risk
PURGEABLE ORGANICS							
Acrolein	68	21				320	
Acrylonytrile	7,550	2,600**				0††	0.058
Benzene	5,300					0††	0.66
Carbon tetrachloride	35,200					0††	0.40
Chlorinated ethanes							
1,2-dichloroethane	118,000	20,000				0††	0.94
1,1,2-trichloroethane		9,400				0††	0.60
1,1,2,2-tetrachloroethane		2,400				0††	0.17
1,1,1-trichloroethane						18.4	
Chloroalkyl ethers	238,000						
bis-(chloromethyl)-ether						0††	0.38×10^{-6}
Chloroform	28,900	1,240				0††	0.19
Dichloroethylenes	11,600						
1,1-dichloroethylene						0††	0.033
Dichloropropanes	23,000	5,700					
Dichloropropenes	6,060	244				87	
Ethylbenzene	32,000					1.4	
Haloethers	360	122					
Halomethanes	11,000					0††	0.19
Tetrachloroethylene	5,280	840				0††	0.80
Toluene	17,500					14.3	

Table J-1. Relevant EPA Water Quality Criteria (Page 2 of 5)

Parameter	Criteria for Freshwater Aquatic Life, ug/l				Human Health Criteria, ug/l		
	Acute Toxicity Level*	Chronic Toxicity Level*	Maximum 24-hr. Average	Maximum Concentration	Potable Water Taste/Odor Control†	Ingestion of Water and Aquatic Organisms	
						Ambient Criterion	10^{-6} Incremental Cancer Risk
PURGEABLE ORGANICS							
Trichloroethene	45,000	21,900**				0††	2.7
Vinyl chloride						0††	2.0
BASE/NEUTRAL EXTRACTABLE ORGANICS							
Acenaphthene	1,700	520**			20		
Benzidine	2,500					0††	0.00012
Chlorinated benzenes	250	50**					
Hexachlorobenzene						0††	0.00072
Hexachloroethane	980					0††	1.9
Chlorinated napthalenes	1,600						
bis(2-chloroethyl) ether						0††	0.03
bis(2-chloroisopropy) ether						34.7	
Dichlorobenzenes	1,120	763				400	
Dichlorobenzidines						0††	0.0103
2,4-dinitrotoluene	330	230				0††	0.11
1,2-diphenylhydrazine	270					0††	0.00042
Fluoranthene	3,980					42	
Hexachlorobutadiene	90	9.3				0††	0.45
Hexachlorocyclopentadiene	7	5.2			1	206	
Isophorone	117,000					5.2	
Napthalene	2,300	620					
Nitrobenzene	27,000				30	19.8	

Table J-1. Relevant EPA Water Quality Criteria (Page 3 of 5)

Parameter	Criteria for Freshwater Aquatic Life, ug/l				Human Health Criteria, ug/l		
						Ingestion of Water and Aquatic Organisms	
	Acute Toxicity Level*	Chronic Toxicity Level*	Maximum 24-hr. Average	Maximum Concentration	Potable Water Taste/Odor Control†	Ambient Criterion	10^{-6} Incremental Cancer Risk
BASE/NEUTRAL EXTRACTABLE ORGANICS							
Phthalate esters	940	3					
Dimethyl phthalate						313	
Diethyl phthalate						350	
Dibutyl phthalate						34	
PHENOLIC COMPOUNDS							
CHLORINATED PHENOLS							
4-chloro-3-methelphenol	30						
2,3,5,6-tetrachlorophenol							
4-chlorophenol							
3-monochlorophenol					0.10		
4-monochlorophenol					0.10		
2,3-dichlorophenol					0.04		
2,5-dichlorophenol					0.50		
2,6-dichlorophenol					0.20		
3,4-dichlorophenol					0.30		
2,3,4,6-tetracholorophenol					1.0		
2,4,5-trichlorophenol					1.0	2,600	
2,4,6-trichlorophenol		970			2.0	0††	1.2
2-methyl-4-chlorophenol					1,800		
3-methyl-4-chlorophenol					3,000		
3-methyl-6-chlorophenol					20		
2-chlorophenol		4,380	2,000**		0.10		
2,4-dichlorophenol		2,020	365		0.30	3.09	
2,4-dimethylphenol		2,120			400		

Table J-1. Relevant EPA Water Quality Criteria (Page 4 of 5)

Parameter	Criteria for Freshwater Aquatic Life, ug/l				Human Health Criteria, ug/l		
						Ingestion of Water and Aquatic Organisms	
	Acute Toxicity Level*	Chronic Toxicity Level*	Maximum 24-hr. Average	Maximum Concentration	Potable Water Taste/Odor Control†	Ambient Criterion	10^{-6} Incremental Cancer Risk
PHENOLIC COMPOUNDS							
Nitrophenols	230	150**					
2,4-dinitro-o-cresol						13.4	
dinitrophenol						70	
Pentachlorophenol					30	1,010	
Phenol					0.30	3.5	
CHLORINATED HYDROCARBON PESTICIDES							
Aldrin				3.0			0.000074
Chlordane			0.0043	2.4		0	0.000046
Dieldrin			0.0019	2.5		0††	0.000071
DDT			0.0010	1.1			0.000024
DDE	1,050						
Endrin			0.0023	0.18		1	
Heptachlor			0.0038	0.52		0††	.00028
Lindane			0.08	2			
Polychlorinated biphenyls	2**		0.014			0††	.00079
HEAVY METALS							
Cadmium			***	***		10	
Chromium, trivalent		44		***		170,000	
Chromium, hexavalent			0.29	21		50	
Copper			5.6	***	1,000		

Table J-1. Relevant EPA Water Quality Criteria (Page 5 of 5)

Parameter	Criteria for Freshwater Aquatic Life, ug/l				Human Health Criteria, ug/l		
	Acute Toxicity Level*	Chronic Toxicity Level*	Maximum 24-hr. Average	Maximum Concentration	Potable Water Taste/Odor Control†	Ingestion of Water and Aquatic Organisms: Ambient Criterion	Ingestion of Water and Aquatic Organisms: 10^{-6} Incremental Cancer Risk
HEAVY METALS							
Lead			***			50	
Mercury	0.00057	0.0017				0.144	
Nickel			***	***		13.4	
Zinc			47	***	5		
Cyanide			3.5	52		200	

*Toxicity may occur at lower concentrations among species more sensitive than those tested.
†Organoleptic data used as basis for taste and odor control have no demonstrated relationship to adverse human health effects.
**Data is not definitive.
††Zero level may not be attainable at this time.
***Maximum level related to hardness of water, for which no data are available.

Source: EPA, 1980.

DATA FROM BASE BIOENVIRONMENTAL ENGINEERING FILES

ENVIRONMENTAL SAMPLING DATA (TRACE ORGANICS)

OEHL USE ONLY

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB, Ga 31699

SAMPLING SITE DESCRIPTION: Hospital bldg 900 (BIO LAB)

DATE COLLECTION BEGAN (YYMMDD): 860908

TIME COLLECTION BEGAN (24 hour clock): 1515

COLLECTION METHOD: ☐ GRAB ☑ COMPOSITE 168 HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF Hosp/SGPB Moody A.F.B. Ga. 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, E-3, 90750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: C

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify) Neighboring city high in THM

BASE SAMPLE NUMBER: GP 86 0295

OEHL PID:

ANALYSES REQUESTED (check appropriate blocks)

VOLATILE HALOCARBONS (VOH) (10860)		Trichlorofluoromethane	34488	MISCELLANEOUS	
PRES GROUP T1		Vinyl Chloride	39175	VOLATILES	
Volatile Halocarbon Screen	1001460PH			PRES GROUP T1	
Bromodichloromethane	32101			Xylene	81710
Bromoform	32104			Methylethyl ketone	81595
Bromomethane	34413	TRIHALOMETHANES (THM) (10860)		Methylisobutyl ketone	81596
Carbon Tetrachloride	32102	PRES GROUP T1		Total organic halides	10021060H
Chlorobenzene	34301	X Trihalomethane Potential	1001465MT		
Chloroethane	34311	Total Trihalomethanes	82080		
2-Chloroethylvinyl ether	34576				
Chloroform	32106	VOLATILE AROMATICS (VOA) (10850)			
Chloromethane	34418	PRES GROUP T1			
Dibromochloromethane	32105	Volatile Aromatic Screen	1001461PA		
1,2-dichlorobenzene	34536	Benzene	34030	MISCELLANEOUS	
1,3-dichlorobenzene	34566	Chlorobenzene	34301	EXTRACTABLES	
1,4-dichlorobenzene	34571	1,2-dichlorobenzene	34536	PRES GROUP T4	
Dichlorodifluoromethane	34668	1,3-dichlorobenzene	34566	PCB's	39516
1,1-dichloroethane	34496	1,4-dichlorobenzene	34571	Phthalate Esters Screen	1000069PH
1,2-dichloroethane	34531	Ethylbenzene	34371	bis (2-ethylhexyl) phthalate	39100
1,1-dichloroethene	34501	Toluene	34010	Butyl Benzyl phthalate	34292
trans-1,2-dichloroethene	34546			Di-n-butyl phthalate	39110
1,2-dichloropropane	34541			Diethyl phthalate	34336
cis-1,3-dichloropropene	34704			Dimethyl phthalate	34341
trans-1,3-dichloropropene	34699			Di-n-octyl phthalate	34596
Methylene Chloride	34423				
1,1,2,2-tetrachloroethane	34516	DURING COLLECTION:		AFTER STORAGE FOR 7 DAYS:	
Tetrachloroethylene	34475	PH- 7.4 units		PH- 7.4 units	
1,1,1-trichloroethane	34506	TRC- 1.0 ppm		TRC- 0.6 ppm	
1,1,2-trichloroethane	34511	TEMP- 23.8°C			
Trichloroethylene	39180				

REMARKS

LABORATORY ANALYSIS REPORT AND RECORD (General)

DATE: 24 Sep 1986

TO:

FROM: USAFOEHL/SA
BROOKS AFB TX 78235-5501

SAMPLE IDENTITY: WATER

DATE RECEIVED: 18 Sep 1986

SAMPLE FROM:

LAB CONTROL NR:

TEST FOR: MAXIMUM TRIHALOMETHANES POTENTIAL (MTP) 1001465MT

METHODOLOGY: EPA 501.1

OEHL No.		63089				
BASE No.		GP860295				
Chloroform	32106	133				
Bromodichloromethane	32101	6.9				
Dibromochloromethane	32105	ND				
Bromoform	32104	ND				
Total THM	82080	>100				

Results in micrograms per liter.

ND = None Detected. Less than the detection limit. ND < 0.1
TRACE = Present, but quantity less than quantitative limit. TR < 0.2

DATE ANALYZED: 22Sep 1986

REQUESTING AGENCY (Mailing Address)

USAF HOSP/SGPB
MOODY AFB, GA
31699-5300

B C Harrison

RAO

AFSC Form 3611, DEC 86 REPLACES AMD FORM 641, SEP 82, WHICH IS OBSOLETE.

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7):

BASE WHERE SAMPLE COLLECTED: Moody AFB Ga

SAMPLING SITE DESCRIPTION: Grassy Pond

DATE COLLECTION BEGAN (YYMMDD): 861019

TIME COLLECTION BEGAN (24 hour clock): 1000

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, A1C, 70750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: EE

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify) _____

BASE SAMPLE NUMBER: GP86 0290

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A		Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610	X	Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		Lead	01051	X	Sulfate	00945			
	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactans-MBAS	38260			
	Nitrate	00620	X	Manganese	01055		Turbidity	00076			
	Nitrite	00615		Mercury	71900						
	Oil & Grease	00560		Nickel	01067						
	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	00929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370	X	Sulfides	00745
	Phenols	32730		Acidity, Total	70508		p, p-DDD	39310			
				Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total AC 50060	1.5 mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	7.2 units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	26.6 °C
	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite 00740	

REMARKS

Complaints concerning taste and odor of water.

ldh

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	061609 061611	GP860290 00029

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION		5. LAB RECEIVED BY: 12 Sept. 86	6. DATE ANALYSIS COMPLETED: 22 Sept. 86
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	ON-SITE ANALYTICAL RESULTS: 16. WATER TEMP °C; 17. PH 00400 UNITS; 18. DISS O_2 00300 MG/L
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES
13. SAMPLING TECHNIQUE		14. PHONE NUMBER	
15. REASON FOR SAMPLE SUBMISSION			

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

PRESERVATION GROUP F (261)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	.	50 µ G/L
BARIUM	01007	.	1000 µ G/L
CADMIUM	01027	.	10. µ G/L
CHROMIUM	01034	.	50 µ G/L
LEAD	01051	.	50 µ G/L
MERCURY	71900	.	2 µ G/L
SELENIUM	01147	.	10 µ G/L
SILVER	01077	.	50 µ G/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	.	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

061609 — PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	.
IRON	01045	446 .
MANGANESE	01055	<50
ZINC	01092	.
CALCIUM As Ca	00916	. mg/l
MAGNESIUM as Mg	00927	. mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	. mg/l

PRESERVATION GROUP

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	.
Alkalinity, Total, As $CaCO_3$	00410	.
Chloride	00940	.
Hardness As $CaCO_3$	00900	.
Residue, Filtrable (TDS)	00515	.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	.
Specific Conductance	00095	µmhos

061610 (262)

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	6 .
Surfactants MBAS As LAS	38260	.

061611 — PRESERVATION GROUP J (263)

PARAMETER	TOTAL	MG/L
Sulfide	00745	<0.1 MG/L

1. ORGANIZATION REQUESTING ANALYSIS	
USAF HOSP Moody/SGPB Moody AFB, GA. 31699-5300	CHEMIST: JSO EHJM REVIEWED BY APPROVED BY

ENVIRONMENTAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB Ga

SAMPLING SITE DESCRIPTION: Mission Lake bldg 1705

DATE COLLECTION BEGAN (YYMMDD): 861019

TIME COLLECTION BEGAN (24 hour clock): 1055

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL: 013 USAF HOSP/SGPB Moody AFB Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, NIC, 90750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: E — A-ACCIDENT/INCIDENT; R-ROUTINE/PERIODIC; C-COMPLAINT; N-NPDES; F-FOLLOWUP/CLEANUP; O-OTHER (specify) _____

BASE SAMPLE NUMBER: GP 86 0291 — OEHL PID:

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A		Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610	X	Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		Lead	01051	X	Sulfate	00945			
	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactans-MBAS	38260			
	Nitrate	00620	X	Manganese	01055		Turbidity	00076			
	Nitrite	00615		Mercury	71900						
	Oil & Grease	00560		Nickel	01067						
	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	00929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370	X	Sulfides	00745
	Phenols	32730		Acidity, Total	70508		p, p-DDD	39310			
				Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total 50060	.0 mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	7.5 units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	25 °C
	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite 00740	

REMARKS

1. LABORATORY PERFORMING ANALYSIS: OEHL

SAMPLE NO.: 061612 061614

008

4. REQUESTOR SAMPLE NUMBER: GP860291 00029

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION

5. DATE RECEIVED BY LAB: 12 Sept. 86

6. DATE ANALYSIS COMPLETED: 22 Sept. 86

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO

9. FLOWRATE AT SITE 00058 GAL/MIN

10. WEATHER 00041

16. WATER TEMP

17. PH UNITS

18. DISS O_2 MG/L

11. COLLECTION DATE/PERIOD

12. NAME OF COLLECTOR

19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE

14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

PRESERVATION GROUP F (261)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002		50 µG/L
BARIUM	01007		1000 µG/L
CADMIUM	01027		10. µG/L
CHROMIUM	01034		50 µG/L
LEAD	01051		50 µG/L
MERCURY	71900		2 µG/L
SELENIUM	01147		10 µG/L
SILVER	01077		50 µG/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620		10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

061612 PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	
IRON	(01045)	<100
MANGANESE	(01055)	<50
ZINC	01092	
CALCIUM As Ca	00916	mg/l
MAGNESIUM as Mg	00927	mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	mg/l

PRESERVATION GROUP

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	
Chloride	00940	
Hardness As $CaCO_3$	00900	
Residue, Filtrable (TDS)	00515	
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

061613 (261)

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	(00945)	11
Surfactants MBAS As LAS	38260	

061614 PRESERVATION GROUP J (263)

Sulfides (00745) <0.1 mg/L

1. ORGANIZATION REQUESTING ANALYSIS

USAF Hosp Moody /SGPB
Moody AFB, GA 31699-5300

CHEMIST: JSC Enjay

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229 POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB Ga 31699-5300

SAMPLING SITE DESCRIPTION: Munitions Area bldg 1111

DATE COLLECTION BEGAN (YYMMDD): 861019

TIME COLLECTION BEGAN (24 hour clock): 1105

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0138 USAF HOSP/SGPB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, AIC, 90750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: C — A-ACCIDENT/INCIDENT; C-COMPLAINT; F-FOLLOWUP/CLEANUP; R-ROUTINE/PERIODIC; N-NPDES; O-OTHER (specify) _____

BASE SAMPLE NUMBER: GP86 0292

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A			Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610	X	Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		Lead	01051	X	Sulfate	00945			
	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactans-MBAS	38260			
	Nitrate	00620	X	Manganese	01055		Turbidity	00076			
	Nitrite	00615		Mercury	71900						
	Oil & Grease	00560		Nickel	01067						
	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	08929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370	X	Sulfides	00745
	Phenols	32730		Acidity, Total	70508		p, p-DDD	39310			
				Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total 50060	.0 mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	7.8 units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	31.6 °C
	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite (00740)	

REMARKS

ORY PERFORMING ANALYSIS: OEHL

061615 061617

4. REQUESTOR SAMPLE NUMBER: GP86.0292

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
12 Sept. 86	22 Sept. 86

7. SITE DESCRIPTION

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION, NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP °C	17. PH UNITS	18. DISS O_2 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE	14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40 CFR 141)

PRESERVATION GROUP F (261)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002		50 µG/L
BARIUM	01007		1000 µG/L
CADMIUM	01027		10. µG/L
CHROMIUM	01034		50 µG/L
LEAD	01051		50 µG/L
MERCURY	71900		2 µG/L
SELENIUM	01147		10 µG/L
SILVER	01077		50 µG/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620		10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

061615

ATION GROUP F

	TOTAL	µG/L
COPPER	01042	
IRON	01045	113
MANGANESE	01055	<50
ZINC	01092	
CALCIUM As Ca	00916	mg/l
MAGNESIUM as Mg	00927	mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	mg/l

PRESERVATIC

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkaln, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	
Chloride	00940	
Hardness As $CaCO_3$	00900	
Residue, Filtrable (TDS)	00515	
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

061616

(264)

	TOTAL	MG/L
Sulfate As SO_4	00945	< 0.1
Surfactants MBAS As LAS	38260	

061617

TION GROUP J (269)

Sulfide 00745 < 0.1 mg/L

1. ORGANIZATION REQUESTING ANALYSIS

USAF Hosp Moody / SGPB
Moody AFB, GA 31699-5300

CHEMIST JSC

ENVM 03

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

AFCAL USE ONLY

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB, Ga

SAMPLING SITE DESCRIPTION: Water Plant bldg 913

DATE COLLECTION BEGAN (YYMMDD): 8 6 1 0 1 9

TIME COLLECTION BEGAN (24 hour clock): 1125

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, AIC, 90750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: E

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify) _____

BASE SAMPLE NUMBER: GP 86 0293

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A		Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610	X	Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		Lead	01051	X	Sulfate	00945			
	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactans-MBAS	38260			
	Nitrate	00620	X	Manganese	01055		Turbidity	00076			
	Nitrite	00615		Mercury	71900						
	Oil & Grease	00560		Nickel	01067						
	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	00929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370	X	Sulfides	00745
	Phenols	32730		Acidity, Total	70508		p, p-DDD	39310			
				Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total 50060	1.5 mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	7.1 units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	22.7 °C
	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite 00740	

REMARKS

11

LABORATORY PERFORMING ANALYSIS: OEHL

061618 001620

4. REQUESTOR SAMPLE NUMBER: GP860293

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION:

5. DATE RECEIVED BY LAB: 12 Sept. 86

6. DATE ANALYSIS COMPLETED: 22 Sept. 86

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP °C	17. PH UNITS	18. DISS O_2 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE	14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION:

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

PRESERVATION GROUP F (261)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002		50 µG/L
BARIUM	01007		1000 µG/L
CADMIUM	01027		10. µG/L
CHROMIUM	01034		50 µG/L
LEAD	01051		50 µG/L
MERCURY	71900		2 µG/L
SELENIUM	01147		10 µG/L
SILVER	01077		50 µG/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620		10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00070	Units	1 Unit

B. OTHER ANALYSES

061618

PRESERVATION GROUP F

	TOTAL	µG/L
COPPER	01042	
IRON	01045	<100
MANGANESE	01055	<50
ZINC	01092	
CALCIUM As Ca	00916	mg/l
MAGNESIUM as Mg	00927	mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	mg/l

PRESERVATION

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	
Chloride	00940	
Hardness As $CaCO_3$	00900	
Residue, Filtrable (TDS)	00515	
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

061619

262

	TOTAL	MG/L
Sulfate As SO_4	00945	10.
Surfactants MBAS As LAS	38260	

061620

PRESERVATION GROUP J (245)

Sulfides 00745 <0.1 MG/L

1. ORGANIZATION REQUESTING ANALYSIS

USAF Hosp Moody/SGPB
Moody AFB, GA 31699-5300

CHEMIST JSO

EHJ11 93

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB, Ga 31699

SAMPLING SITE DESCRIPTION: Housing Area Bldg 1676

DATE COLLECTION BEGAN (YYMMDD): 8 6 0 9 0 9

TIME COLLECTION BEGAN (24 hour clock): 1130

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF HOSP/SGPB Moody AFB, Ga 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman Laird, NIC, 90750

SIGNATURE: Norman Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: E — A-ACCIDENT/INCIDENT, R-ROUTINE/PERIODIC, C-COMPLAINT, N-NPDES, F-FOLLOWUP/CLEANUP, O-OTHER (specify) _____

BASE SAMPLE NUMBER: GP 86 0294

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A			Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610	X	Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		Lead	01051	X	Sulfate	00945			
	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactants-MBAS	38260			
	Nitrate	00620	X	Manganese	01055		Turbidity	00076			
	Nitrite	00615		Mercury	71900						
	Oil & Grease	00560		Nickel	01067						
	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	00929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370	X	Sulfides	00745
	Phenols	32730		Acidity, Total	70508		p, p-DDD	39310			
				Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total 50060	1.5 mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	7.4 units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	26.6 °C
	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite 00740	

REMARKS

2. LABORATORY PERFORMING ANALYSIS		4. REQUESTOR SAMPLE NUMBER
OEHL	061621 061623 00038	GP860294 00028

SAMPLE COLLECTION INFORMATION			5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
7. SITE DESCRIPTION			12 Sept. 86	22 Sept. 86
			ON-SITE ANALYTICAL RESULTS	
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP °C	17. PH UNITS	18. DISS O_2 MG/L
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES		
13. SAMPLING TECHNIQUE		14. PHONE NUMBER			
15. REASON FOR SAMPLE SUBMISSION					

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

PRESERVATION GROUP F (261)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002		50 µG/L
BARIUM	01007		1000 µG/L
CADMIUM	01027		10. µG/L
CHROMIUM	01034		50 µG/L
LEAD	01051		50 µG/L
MERCURY	71900		2 µG/L
SELENIUM	01147		10 µG/L
SILVER	01077		50 µG/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620		10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

061621

PRESERVATION GROUP F

	TOTAL	µG/L
COPPER	01042	
IRON	01045	129
MANGANESE	01055	150
ZINC	01092	
CALCIUM As Ca	00916	mg/l
MAGNESIUM as Mg	00927	mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	mg/l

061622

PRESERVATION GROUP H (262)

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	
Chloride	00940	
Hardness As $CaCO_3$	00900	
Residue, Filtrable (TDS)	00515	
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

	TOTAL	MG/L
Sulfate As SO_4	00945	16
Surfactants MBAS As LAS	38260	

061623

PRESERVATION GROUP J (265)

	TOTAL	MG/L
Sulfides	00745	< 0.1 MG/L

1. ORGANIZATION REQUESTING ANALYSIS	CHEMIST JSO
USAF Hosp Moody /SGPB Moody AFB, GA 31699-5300	ENJM
	REVIEWED BY
	APPROVED BY

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)

BASE WHERE SAMPLE COLLECTED: Moody AFB GA 31699

SAMPLING SITE DESCRIPTION: Gross Pond

DATE COLLECTION BEGAN (YYMMDD): 861021

TIME COLLECTION BEGAN (24 hour clock): 1113

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB, GA 31699

COPY 1:

COPY 2:

SAMPLES COLLECTED BY (Name, Grade, AFSC): Robert Schmidt, CIV, 90730

SIGNATURE: Robert Schmidt

AUTOVON: 460-3505

REASON FOR SUBMISSION: [X] K

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify) _____

BASE SAMPLE NUMBER: GN 86 0052

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A			Hardness	00900			Silica	00955			2, 4, 5-T	39740
	Ammonia	00610			Iron	01045			Specific Conductance	00095			2, 4, 5-TP-Silvex	39760
	Chemical Oxygen Demand	00340		X	Lead	01051			Sulfate	00945				
	Kjeldahl Nitrogen	00625			Magnesium	00927			Surfactans-MBAS	38260				
	Nitrate	00620			Manganese	01055			Turbidity	00076				
	Nitrite	00615			Mercury	71900								
X	Oil & Grease	00560			Nickel	01067								
	Organic Carbon	00680			Potassium	00937								
	Orthophosphate	00671			Selenium	01147			GROUP H					
	Phosphorus, Total	00665			Silver	01077			Aldrin	39330				
					Sodium	00929			BHC Isomers	39340				
	GROUP D				Thallium	01059			a-BHC	39337				
	Cyanide, Total	00720			Zinc	01092			b-BHC	39338				
	Cyanide, Free	00722							d-BHC	34259				
									Chlordane	39350			GROUP J	
	GROUP E				GROUP G				DDT Isomers	39370			Sulfides	00745
	Phenols	32730			Acidity, Total	70508			p, p-DDD	39310				
					Alkalinity, Total	00410			p, p-DDE	39320				
	GROUP F				Alkalinity, Bicarbonate	00425			p, p-DDT	39300				
	Antimony	01097			Bromide	71870			Dieldrin	39380			ON SITE ANALYSES	
	Arsenic	01002			Carbon Dioxide	00405			Dursban	77969			PARAMETER	VALUE
	Barium	01007			Chloride	00940			Endrin	39390			Flow 50050	mgd
	Beryllium	01012			Color	00080			Heptachlor	39410			Chlorine, Total 50060	mg/l
	Boron	01022			Fluoride	00951			Heptachlor Epoxide	39420			Dissolved Oxygen 00300	mg/l
	Cadmium	01027			Residue, Total	00500			Lindane	39782			pH 00400	units
	Calcium	00916			Residue, Filterable (TDS)	70300			Methoxychlor	39480			Temperature 00010	°C
	Chromium, Total	01034			Residue, Nonfilterable	00530			Pramitol (Prometon)	XY4200000			Odor 00086	
	Chromium VI	01032			Residue, Settleable	50085			Toxaphene	39400			Iodide 71865	
	Copper	01042			Residue, Volatile	00505		X	2, 4-D	39730			Sulfite 00740	

REMARKS: NO Sampling site IDENTIFIER; Sample is Raw water from Pond.

4.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NO
OEHL	17216-21	GN'86 0052 00020

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION	5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
FEB 24 10 08 RH CC	24 Feb. 86	6 March 86

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O2 00300 MG/L

11. COLLECTION DATE/PERIOD	12. COLLECTORS NAME	19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE	14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

NPDES a

ANALYSES REQUESTED AND RESULTS

PRESERVATION GROUP A

PARAMETER	TOTAL	MG/L
Chemical Oxygen Demand	00340	
Total Organic CARBON as C	00680	

PRESERVATION GROUP B

PARAMETER	TOTAL	MG/L
OIL & GREASE FREON-IR Method	00560	4.3

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L
AMMONIA as N	00610	
NITRATE as N Cd Reduct. Method	00620	
NITRITE as N	00615	
TOTAL KJELDAHL NITROGEN as N	00625	
PHOSPHORUS Ortho PO4 as P	70507	
PHOSPHORUS as P	00665	

PRESERVATION GROUP D

PARAMETER	TOTAL	MG/L
CYANIDE	00720	
CYANIDE Free, Amenable to Cl_2	00722	

PRESERVATION GROUP E

PARAMETER	TOTAL	µG/L
PHENOLS	32730	

PRESERVATION GROUP F

PARAMETER	DISS	TOTAL	µG/L
ARSENIC	01000	01002	
BARIUM	01005	01007	
CADMIUM	01025	01027	
CHROMIUM	01030	01034	
CHROMIUM Hexavalent		01032	
COPPER	01040	01042	
IRON	01046	01045	
LEAD	01049	01051	L20
MANGANESE	01056	01055	
MERCURY	71890	71900	
NICKEL	01065	01067	
SELENIUM	01145	01147	
SILVER	01075	01077	
ZINC	01090	01092	
CALCIUM as Ca	00915	00916	mg/l
MAGNESIUM as Mg	00925	00927	mg/l
POTASSIUM	00935	00937	mg/l
SODIUM	00930	00929	mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
BORON	01022	µg/l
BORON, Dissolved	01020	µg/l
CHLORIDE	00940	
COLOR	00080	Units
FLUORIDE	00951	
Residue Filterable (TDS)	00515	
Residue Non Filt (SS)	00530	
Residue	00500	
Residue Volatile	00505	
Specific Conductance	00095	µmhos
SULFATE as SO_4	00945	
SURFACTANTS MBAS as LAS	38260	
TURBIDITY	00076	Units

PRESERVATION GROUP J

PARAMETER		

11. ORGANIZATION REQUESTING ANALYSIS

Moody AFB

CHEMIST: EH. HH

REVIEWED BY:

APPROVED BY:

AFSC Form 3145, DEC 85 REPLACES AMD FORM 201, MAR 83, WHICH IS OBSOLETE

NON-POTABLE WATER ANALYSIS

LABORATORY ANALYSIS REPORT AND RECORD (Control)

DATE: 18 MAR 1986

TO: USAF OEHL/SAN
Brooks AFB TX 78235-5501

SAMPLE IDENTITY: non-potable water

DATE RECEIVED: 25 Feb 86

SAMPLE TAKEN:

LAB CONTRACT NR: 12261

TESTED FOR: 2,4-D

METHODOLOGY: Gas Chromatography

RESULTS SAMPLE ANALYZED FOR	Quantitative Detection Limit (1 liter sample) Micrograms/Liter (parts per Billion)	LAB CONTROL NUMBER - BASE CONTROL NUMBER Concentration in 1 Liter Sample - Micrograms/Liter 12261 GUR6852
Aldrin	.02	
DDD	.02	
DDE	.02	
Dieldrin	.02	
Endrin	.02	
Heptachlor	.02	
Heptachlorepoxide	.02	
Lindane	.01	
p,p'-DDT	.02	
Diazinon	.02	
Malathion	.10	
Parathion	.02	
Methoxychlor	.20	
o,p-DDT	.02	
Chlordane	.20	
alpha-BHC	.01	
beta-BHC	.02	
delta-BHC	.08	
Toxaphene	1.0	
2,4-D	0.86	X
Silvex	0.86	

REMARKS

Acting Chief, USAF

"T" means less than the quantitative detection limit (Trace present).
"X" means less than the qualitative detection limit (none detected).

USAF Hospital /SGPB
Moody AFB., GA. 31699-5300

YOSHIMI A. NISHIOKA, GS-12
Pesticides Analysis Function
Environmental Chemistry Branch

AMD [illegible], 641 REPLACES OEHL FORM 1 DEC 75, WHICH IS OBSOLETE.

AL.

BULK MATERIAL SAMPLING DATA

(Use this space for mechanical imprint)	OEHL USE ONLY
WORKPLACE OR SITE IDENTIFIER	0133 NA77 020
BASE	Moody AFB GA 31699
ORGANIZATION	N/A
WORKPLACE OR SITE	Bldg 785 Storm Drain
DATE COLLECTED (YYMMDD)	8,6,0,3,1,2
BLDG NO/LOCATION	N/A
ROOM/AREA	N/A

MAIL REPORTS TO (circle if change)		
ORIGINAL	0127	USAF HOSP/SGPB Moody AFB, GA 31699
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	Robert Schraft, Amn, 9075[illegible]
SIGNATURE	Robert Schraft
AUTOVON	4[illegible]-3505
REASON FOR SUBMISSION	A

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER

OEHL PID

SOURCE BEING SAMPLED	Effluent from Bldg 785 Storm DRAIN
EXISTING CONTROLS (Personal protective equipment, Engineering, Administrative)	Sorbent Booms

SAMPLE COLLECTION DATA

OEHL SAMPLE NUMBER				
BASE SAMPLE NUMBER			GN860081	
ANALYSES REQUESTED	A	CHECK FOR	[X] MAJOR COMPONENTS	[ ] MAJOR COMPONENTS
	B	NAME		
		NIOSH NO		
	C	NAME		
		NIOSH NO		
	D	NAME		
		NIOSH NO		
	E	CHECK FOR	[X] HAZARDOUS/TOXIC WASTE	[ ] HAZARDOUS/TOXIC WASTE
MATERIAL NAME			UNKNOWN ↓	
LOT NUMBER				
NSN (FSN)				
SPECIFICATION (MIL or FED)				
MANUFACTURER'S NAME				
DESCRIPTION OF MATERIAL USAGE (Heated, brushed, sprayed, etc)				
SUPPORTING SAMPLES		OEHL SAMPLE NO		
		BASE SAMPLE NO		
		SAMPLE TYPE		

COMMENTS
Please quantitate and identify major components + % concentration
CONTACTED Sgt WANTON

AF FORM JAN 81 2751

LABORATORY ANALYSIS REPORT AND RECORD *(General)*

DATE: 2 APR 86

TO:

FROM: USAFOEHL/SA
BROOKS AFB TX 78235-5501

SAMPLE IDENTITY: UNKNOWN CHEMICAL

DATE RECEIVED: 17 MAR 86

SAMPLE FROM:

LAB CONTROL NR: 17733

TEST FOR: EP Toxicity Metals Reported in mg/L

BASE No.	6V86009I				
OEHL No.	17733				
Arsenic	<.01				
Barium	<1				
Cadmium	<.01				
Total Chromium	<.05				
Lead	<.01				
Mercury	<.001				
Selenium	<.01				
Silver	<.01				

REQUESTING AGENCY (Mailing Address)

USAF Hosp/SGPB
Moody AFB GA
31699

M[illegible] J. WANTLAND, [illegible]
N[illegible] Occupational Chemistry Br.

AFSC Form 3511, DEC 85 REPLACES AND FORM 941, SEP 82, WHICH IS OBSOLETE

LABORATORY ANALYSIS REPORT AND RECORD (General)

DATE: 18 Mar 86

TO:

FROM:

SAMPLE IDENTITY: GN86 0081, unknown chemical

DATE RECEIVED: 17 Mar 86

SAMPLE FROM: B/785, storm drain

LAB CONTROL NR: 17733

TEST FOR: Hazardous waste

METHODOLOGY: Infrared Spectrograph: ED X-ray: Gas Chromatograph: Other:
Closed cup Flash Pt. Tester: pH measurement: Atomic Absorption

1. 20% floating jet engine lube oil on 70% water lower layer.
2. Ignitability is higher than 140°F.
3. Considered non-corrosive and non-reactive.
4. The pH of the water layer is 6.0.

J D Hillsberry

J. D. HILLSBERRY, GS-12
Chief, Industrial Products and
Compressed Gas Analysis Section

REQUESTING AGENCY (Mailing Address)

USAF Hosp / SGPB
Moody AFB GA
31699-5300

AMD FORM SEP 82 641 REPLACES DEML FORM 5 DEC 78, WHICH IS OBSOLETE.

DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
SAFE DRINKING WATER PROGRAM

INORGANIC CHEMISTRY REPORT (TYPE 1)

MOODY AIR FORCE BASE

USAF HOSPITAL
MOODY AIR FORCE BASE
VALDOSTA, GA. 31699

ID#: 1850125
DATE COLLECTED: 2/28/85
TIME COLLECTED: 1625
DATE RECEIVED : / /
DATE REPORTED : / /

LAB#: 0401089
TAP DESCRIPTION: HYD. AT PREWITT & BIRD
COLLECTED BY: K. SHEPARD

TEST DESCRIPTION	LABORATORY RESULTS	ESTABLISHED LIMITS	UNITS	DATE EXAMINED
*ARSENIC AS TOT	<25	50.00	UG/L	/ /
*BARIUM BA TOT	<50	1,000.00	UG/L	/ /
*CADMIUM CD TOT	<5	10.00	UG/L	/ /
*CHROMIUM CR TOT	<25	50.00	UG/L	/ /
*LEAD PB TOT	<25	50.00	UG/L	/ /
*MERCURY HG TOT	<0.5	2.00	UG/L	/ /
*NO2+NO3 N-TOTAL	<0.5	10.00	MG/L	/ /
*SELENIUM SE TOTAL	<3	10.00	UG/L	/ /
*SILVER AS TOTAL	<25	50.00	UG/L	/ /
*FLUORIDE F TOTAL	0.3	1.00	MG/L	/ /
PH (LAB)	7.3	0.00	SU	/ /
CONDUCTIVITY AT 25C MICROMHO	248	0.00	MICR	/ /
IRON FE TOTAL	405	300.00	UG/L	/ /
MANGANESE TOT	<25	50.00	UG/L	/ /
COPPER CU TOT	<50	1,000.00	UG/L	/ /
ZINC ZN TOT	<50	5,000.00	UG/L	/ /
SODIUM NA TOT	2.9	0.00	MG/L	/ /

* ESTABLISHED LIMITS SHOWN ABOVE, IS ALSO THE PRIMARY MCL

USAF HOSPITAL
SW ENVIRONMENTAL PROTECT. DIV.
WATER SUPPLY SECTION

HAROLD LANFORD
LABORATORY MANAGER

DEPARTMENT OF THE AIR FORCE
USAF HOSPITAL MOODY (TAC)
MOODY AIR FORCE BASE GA 31699-5300

REPLY TO ATTN OF: USAF Hospital/SGPB Moody A.F.B., Ga. 31699-5300

24 NOV 1986

SUBJECT: Radiological Sampling Results - 1986

TO: Georgia Department of Natural Resources: Environmental Protection Division 270 Washington Street, S.W. Atlanta, Ga. 30334.

1. In accordance with Air Force Regulation (AFR) 161-44, and Georgia State requirements, a complete Radiological analysis was conducted on Moody A.F.B. water supplies. Monitoring was performed during the months of January, April, July, and October 1986. Listed below are the designated sampling sites, and their annual average Gross Alpha Particle in PicoCuries per Liter (pCi/L).

SITE #	SITES	SOURCE	AVG. GROSS ALPHA
0133-PD-010	Hospital, Bldg. 900	Well	0.97 pCi/L
0133-PD-011	Munitions, Bldg. 1111	Well	0.91 pCi/L
0133-PD-012	Mission Lake, Bldg. 1705	Well	0.92 pCi/L
0133-PD-013	Grassy Pond, Bldg. 2019	Well	1.92 pCi/L
0133-PD-014	Transmitter Site, Bldg 1500	Well	2.33 pCi/L
0133-PD-015	Receiver Site, Bldg. 1501	Well	1.40 pCi/L
	Mission Lake	Lake	0.76 pCi/L
	Grassy Pond	Pond	0.86 pCi/L

2. These results indicate Moody A.F.B. meets the 5 pCi/L standard set by state and federal agencies. Direct any questions to this office at (912) 333-3505.

Lana D Harvey

LANA D. HARVEY, 2d Lt, USAF, BSC
Chief, Bioenvironmental Engineering Services

cc:347th CES/DEEV
347th CES/DEMC

Readiness is our Profession

RADIOLOGICAL SAMPLING DATA

(Optional) Typed (or Machine-Generated) Imprint

WORKPLACE OR SITE IDENTIFIER

BASE: MOODY AFB GA

ORGANIZATION: USAF HOSP

WORKPLACE OR SITE

DATE COLLECTED (YYMMDD): 860111

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: 1705

ROOM/AREA: MAIN

MAIL REPORTS TO (circle if changed)

ORIGINAL: USAF HOSP/SGPB MOODY AFB, GA 31699-5300

COPY 1: USAF HOSP/SGPB MOODY AFB, GA

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert T. Schraft, Maj, 90730

SIGNATURE: Robert Schraft

AUTOVON: 460-3305

REASON FOR SUBMISSION: A-ACCIDENT/INCIDENT; C-COMPLAINT; F-FOLLOWUP/CLEANUP; N-NPDES; R-ROUTINE BACKGROUND/PERIODIC SURVEY; O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 0015

DETAIL PID NUMBER (Circle one only):

COLLECTION METHOD (enter letter code)

- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code)

- A-Air, Ambient/Gen. Area
- Y-Air, Emission, Source
- Z-Air, Breathing Zone
- B-Blood
- O-Biological, Other
- F-Food
- G-Gas/Air, Compressed
- H-Human
- M-Industrial Material
- R-Nasal Swab
- D-Residue/Ash
- L-Sludge
- S-Soil
- W-Surface Contaminant
- C-Unclassified/Other
- U-Urine
- V-Vegetation
- T-Waste, Hazardous, Toxic
- N-Water, Nonpotable
- P-Water, Potable

PRESERVATION GROUP: N/A

R1-NITRIC ACID, pH < 2.0 (plastic container)

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

NP-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0015	DRINKING WATER	03-FEB-86	18600250

GROSS ALPHA	<1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC CHIEF, RADIOANALYTICAL SERVICES BR. AUTOVON 240-2061	DATE COMPLETED 05-FEB-86

PRESERVATION GROUP — N — R1-NITRIC ACID, pH < 2.0 *(plastic container)* — NP-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM 2763 JAN 81

AL

RADIOLOGICAL SAMPLING DATA

AFRL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 012

BASE: Moody AFB, GA

ORGANIZATION: USAF Hosp

WORKPLACE OR SITE: Mission Lake

DATE COLLECTED (YYMMDD): 18,6,0,5,2,0,2

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: 1705

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB MOODY AFB, GA 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schraft, AMN, 90750

SIGNATURE: Robert Schraft

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 01 07

AFRL PID NUMBER (FOR AFRL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N/0

R1-NITRIC ACID, pH < 2.0 (plastic container) NP-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [x] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

09-APR-86 R133P	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGP MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0107	WATER	09-APR-86	18600398

GROSS ALPHA	0.7	+/- 0.7	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
ND-NONE

ANALYSES REQUESTED

- [x] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

NLY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: Ø133 PD Ø12

BASE: Moody AFB Ga

ORGANIZATION: 347 TFW

WORKPLACE OR SITE: Mission Lake

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
860727		1705	N/A

MAIL REPORTS TO (Circle if changed)

ORIGINAL	Ø133 USAF HOSP/SGPB Moody AFB, Ga 31699-5300
COPY 1	
COPY 2	

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: K

A–ACCIDENT/INCIDENT C–COMPLAINT F–FOLLOWUP/CLEANUP N–NPDES
R–ROUTINE BACKGROUND/PERIODIC SURVEY O–OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: LBS.

AGE:

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 Ø242

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: NØ

R1-NITRIC ACID, pH < 2.0 (plastic container) NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 PREVIOUS EDITION WILL BE USED.

R133Z

SAMPLE ANALYSIS RESULTS

HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0242	DRINKING WATER	29-JUL-86	18601406

GROSS ALPHA 1 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

1-24 Hour Void
W-Wipe/Swipe
O-Other

O-Biological, Other
F-Food
G-Gas/Air, Compressed

L-Sludge
S-Soil
W-Surface Contaminant

N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
NØ-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GAMMA
- [ ] TRITIUM
- [ ] PLUTONIUM
- [ ] RADON
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] GROSS BETA
- [ ] CARBON 14
- [ ] URANIUM
- [ ] RADIUM
- [ ] STRONTIUM
- [ ] OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0 1 3 3 PD 0 1 2

BASE: Moody AFB Ga

ORGANIZATION:

WORKPLACE OR SITE: Mission Lake

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
8 6 1 0 1 4	1015	1705	N/A

MAIL REPORTS TO (Circle if changed)

ORIGINAL	0133 USAF Hosp/SGPB Moody AFB Ga 31699-5300
COPY 1	
COPY 2	

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
Norman W. Laird, AIC, 90750	Norman W Laird	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G P 8 6 0 3 1 7

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA	☐ GAMMA	☐ TRITIUM	☐ PLUTONIUM	☐ RADON	☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA	☐ CARBON 14	☐ URANIUM	☐ RADIUM	☐ STRONTIUM	
☐ OTHER (specify)					

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

J-86 R133Z		SAMPLE ANALYSIS RESULTS	
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300		USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501	
IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0317	DRINKING WATER	27-OCT-86	18601763

GROSS ALPHA 1 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

T-24 Hour Void
W-Wipe/Swipe
O-Other

O-Biological, Other
F-Food
G-Gas/Air, Compressed

S-Soil
W-Surface Contaminant

P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
N-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

OPNL USE ONLY

WORKPLACE OR SITE IDENTIFIER: 0133--PD-012

BASE: Moody AFB, GA

ORGANIZATION: N/A

WORKPLACE OR SITE: Mission Lake (Lake Water)

DATE COLLECTED (YYMMDD): 860117

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: N/A

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)
ORIGINAL: 0133 USAF HOSP/SGPD Moody AFB, GA 31699-5300
COPY 1: 1
COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schraft GS-09 90730

SIGNATURE: Robert Schraft

AUTOVON: 460-3505

REASON FOR SUBMISSION: R
A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP-86-0016

OPNL PID NUMBER (OPNL use only):

COLLECTION METHOD (enter letter code): G

- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code): L

- X-Air, Ambient/Gen. Area
- Y-Air, Emission, Source
- Z-Air, Breathing Zone
- B-Blood
- O-Biological, Other
- F-Food
- G-Gas/Air, Compressed
- H-Human
- M-Industrial Material
- R-Nasal Swab
- D-Residue/Ash
- L-Sludge
- S-Soil
- W-Surface Contaminant
- C-Unclassified/Other
- U-Urine
- V-Vegetation
- T-Waste, Hazardous, Toxic
- N-Water, Nonpotable
- P-Water, Potable

PRESERVATION GROUP: N/A
R1-NITRIC ACID, pH < 2.0 (plastic container) NP-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [ ] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [x] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify)

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0016	DRINKING WATER	03-FEB-86	18600251

GROSS ALPHA <1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

PRESERVATION GROUP — R1-NITRIC ACID, pH < 2.0 *(plastic container)* — R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)* — NP-NONE

ANALYSES REQUESTED

- ☐ GROSS ALPHA
- ☐ GROSS BETA
- ☐ GAMMA
- ☐ OTHER *(specify)* _____
- ☐ CARBON 14
- ☐ TRITIUM
- ☐ URANIUM
- ☐ PLUTONIUM
- ☐ RADIUM
- ☐ RADON
- ☒ STRONTIUM
- ☐ DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 00PD 0012

BASE: MOODY AFB, GA 31699

ORGANIZATION: USAF HOSP

WORKPLACE OR SITE: MISSION LAKE (POND WATER)

DATE COLLECTED (YYMMDD): 860410

TIME COLLECTION BEGAN (24 hour clock): 1700

BLDG NO/LOCATION: N/A

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB MOODY AFB, GA 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): ROBERT SMALL, AMN, 90750

SIGNATURE: Robert Small

AUTOVON: 461-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT, C-COMPLAINT, F-FOLLOWUP/CLEANUP, N-NPDES, R-ROUTINE BACKGROUND/PERIODIC SURVEY, O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 0108

OEHL PID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

25-APR-86 R133P

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGP
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GO 86 0108	WATER	09-APR-86	18600399

GROSS ALPHA	<0.6	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP [N] [Ø]

R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0 1 3 3 P D 0 1 2

BASE: Moody AFB Ga

ORGANIZATION: 347 TFW

WORKPLACE OR SITE: Mission Lake (Pond)

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
8 6 0 8 1 2		—	Pond water

MAIL REPORTS TO (Circle if changed)

ORIGINAL	0 1 3 3 USAF HOSP/SGPB Moody AFB Ga 31699-5300
COPY 1	
COPY 2	

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: LBS.

AGE:

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G W 8 6 0 2 4 3

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N 0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2763 PREVIOUS EDITION WILL BE USED.

R133Z

SAMPLE ANALYSIS RESULTS

nuSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GN 86 0243	WATER	29-JUL-86	18601407

GROSS ALPHA	<0.5	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
N0-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

LY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 012

BASE: Moody AFB Ga

ORGANIZATION:

WORKPLACE OR SITE: Mission Lake

DATE COLLECTED (YYMMDD): 861014

TIME COLLECTION BEGAN (24 hour clock): 1015

BLDG NO./LOCATION: —

ROOM/AREA: Lake Water

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF 1-10SP/SGPB Moody AFB, Ga. 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GN 86 0316

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 (plastic container) NS-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA	☐ GAMMA	☐ TRITIUM	☐ PLUTONIUM	☐ RADON	☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA	☐ CARBON 14	☐ URANIUM	☐ RADIUM	☐ STRONTIUM	
☐ OTHER (specify)					

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

36 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GN 86 0316	WATER	27-OCT-86	18601762

GROSS ALPHA	<1	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP [N] [0]

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
N0-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2783 DEC 84 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

OEHL USE ONLY

WORKPLACE OR SITE IDENTIFIER: 0133--PD--011

BASE: McCoy AFB, GA

ORGANIZATION: USAF HOSP

WORKPLACE OR SITE: MUNITIONS

DATE COLLECTED (YYMMDD): 18,6,0,1,1,7

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: Bldg 1100

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB McCoy AFB, GA 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schraft, GmN, 90730

SIGNATURE: Robert Schraft

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP86 0014

OEHL PID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N0 / R1-NITRIC ACID, pH < 2.0 (plastic container) ND-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 85 0014	DRINKING WATER	03-FEB-86	18600249

GROSS ALPHA	<1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

PRESERVATION GROUP [N] [Ø] / R1-NITRIC ACID, pH < 2.0 *(plastic container)* ND-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] OTHER *(specify)* _____

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 011

BASE: MOODY AFB, GA 31699 | ORGANIZATION: USAF HOSP

WORKPLACE OR SITE: MUNITIONS AREA

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
860410	0721	1100	N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF HOSP/SGPB MOODY AFB, GA 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
ROBERT SCHAFT, AMN, 90750	Robert Schaft	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE BACKGROUND/PERIODIC SURVEY C-COMPLAINT F-FOLLOWUP/CLEANUP O-OTHER (specify) N-NPDES

EMPLOYEE NAME	EMPLOYEE SSAN
N/A	

BASE SAMPLE NUMBER	OEHL PID NUMBER (OEHL use only)
GP 86 0106	

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue 'Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: NØ

R1-NITRIC ACID, pH < 2.0 (plastic container) NO-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

3-APR-86	R133P	SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGP MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GF 86 0106	WATER	09-APR-86	18600397

GROSS ALPHA	<0.7	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 18-APR-86

PRESERVATION GROUP: NØ
R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
NØ-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

LY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER	Ø 1 3 3 PD Ø 1 1
BASE	Moody AFB Ga
ORGANIZATION	347 TFW
WORKPLACE OR SITE	Munitions

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
86 1Ø 7 2 2		Bldg 1111	N/A

MAIL REPORTS TO *(Circle if changed)*

ORIGINAL	Ø 1 3 3	USAF HOSP/SGPB Moody AFB Ga. 31699-53ØØ
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
NORMAN W. LAIRD A1C 9Ø75Ø	Norman W. Laird	46Ø-35Ø5

REASON FOR SUBMISSION: R

A–ACCIDENT/INCIDENT C–COMPLAINT F–FOLLOWUP/CLEANUP N–NPDES
(R)–ROUTINE BACKGROUND/PERIODIC SURVEY O–OTHER *(Specify)*

EMPLOYEE NAME	N/A	EMPLOYEE SSN	
EMPLOYEE WEIGHT LBS.		AGE	SEX ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G P 86 Ø 2 4 1 — OEHL FID NUMBER (OEHL USE ONLY)

COLLECTION METHOD *(enter letter code)*

- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE *(enter letter code)*

- X-Air, Ambient/Gen. Area
- Y-Air, Emission, Source
- Z-Air, Breathing Zone
- B-Blood
- O-Biological, Other
- F-Food
- G-Gas/Air, Compressed
- H-Human
- M-Industrial Material
- R-Nasal Swab
- D-Residue/Ash
- L-Sludge
- S-Soil
- W-Surface Contaminant
- C-Unclassified/Other
- U-Urine
- V-Vegetation
- T-Waste, Hazardous, Toxic
- N-Water, Nonpotable
- P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS *(AFR 161-44)*
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

R133Z

SAMPLE ANALYSIS RESULTS

.OSP MOODY/SGPB
AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL
HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0241	DRINKING WATER	29-JUL-86	18601405

GROSS ALPHA	<1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO
DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

A-Air, breathing zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N Ø
R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
N8-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0 1 3 3 PD 0 1 1

BASE: Moody AFB Ga

ORGANIZATION: 347 EMS

WORKPLACE OR SITE: Munitions

DATE COLLECTED (YYMMDD): 8 6 1 0 1 4

TIME COLLECTION BEGAN (24 hour clock): 1030

BLDG NO./LOCATION: Bldg 1111

ROOM/AREA: —

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0 1 3 3 USAF Hosp/SGPB Moody AFB, Ga. 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, A1C, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G P 8 6 0 3 1 5

OFFICIAL USE ONLY (PRIVACY ACT STATEMENT)

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)
X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N 0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

NOV-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0315	DRINKING WATER	27-OCT-86	18601761

GROSS ALPHA <1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC CHIEF, RADIOANALYTICAL SERVICES BR. AUTOVON 240-2061	DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

L-Sludge
S-Soil
W-Surface Contaminant

P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 (plastic container)
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)
NS-NONE

ANALYSES REQUESTED

- ☒ GROSS ALPHA
- ☐ GROSS BETA
- ☐ OTHER (specify)
- ☐ GAMMA
- ☐ CARBON 14
- ☐ TRITIUM
- ☐ URANIUM
- ☐ PLUTONIUM
- ☐ RADIUM
- ☐ RADON
- ☐ STRONTIUM
- ☐ DRINKING WATER STANDARDS (AFR 161-44)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 1 3 3 - - 0 - 0 1 4

BASE: [illegible]

ORGANIZATION: —

WORKPLACE OR SITE: [illegible]

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
15 01 14		[illegible]	N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL	L I S T	USAF HQ/SGPB [illegible]
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, APSC): [illegible] SIGNATURE: [illegible] AUTOVON: [illegible]

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: EMPLOYEE SSAN:

BASE SAMPLE NUMBER: G P 8 6 0 0 1 9

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N/A

R1-NITRIC ACID, pH < 2.0 (plastic container) ND-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2763

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0019	DRINKING WATER	03-FEB-86	18600254

GROSS ALPHA	2	+/- 1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

PRESERVATION GROUP [1] [2]
R1-NITRIC ACID, pH < 2.0 *(plastic container)* NP-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 ØØPD 0014

BASE: Moody AFB, GA 31699

ORGANIZATION: USAF Hosp

WORKPLACE OR SITE: Transmitter Site

DATE COLLECTED (YYMMDD): 18,610,410,7

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: 1500

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL: 0133 USAF Hosp/SGPB Moody AFB GA 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Scheath, Amn, 90750

SIGNATURE:

AUTOVON: 460-3515

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE BACKGROUND/PERIODIC SURVEY C-COMPLAINT F-FOLLOWUP/CLEANUP O-OTHER (specify) N-NPDES

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 01 11

OEHL PID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 (plastic container) NO-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

25-APR-86 R133P	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGP MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GF 86 0111	WATER	09-APR-86	19600402

GROSS ALPHA	2.3	+/- 1.1	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP [N/Ø] R2-HYDROCHLORIC ACID, pH < 2.0

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER (specify)
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 014

BASE: Moody AFB Ga

ORGANIZATION: 347 TFW

WORKPLACE OR SITE: Transmitter Site

DATE COLLECTED (YYMMDD): 860712

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO./LOCATION: Bldg 1500

ROOM/AREA: N/A

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES

B-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: LBS.

AGE:

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 0246

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)

☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM

☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

R133Z

SAMPLE ANALYSIS RESULTS

USP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0246	DRINKING WATER	29-JUL-86	13601410

GROSS ALPHA 2 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 15-AUG-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP [N] [Ø]

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

AL

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0 1 3 3 P D 0 1 4

BASE: Moody AFB, Ga

ORGANIZATION:

WORKPLACE OR SITE: Transmitter Site

DATE COLLECTED (YYMMDD): 8 6 1 0 1 4

TIME COLLECTION BEGAN (24 hour clock): 1040

BLDG NO./LOCATION: Bldg 1500

ROOM/AREA: —

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0 1 3 3 USAF HOSP/SGPB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman W. Laird, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: —

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G P 8 6 0 3 2 0

OEHL USE ONLY:

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N 0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA	☐ GAMMA	☐ TRITIUM	☐ PLUTONIUM	☐ RADON	☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA	☐ CARBON 14	☐ URANIUM	☐ RADIUM	☐ STRONTIUM	
☐ OTHER (specify)					

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

NOV-86 R133Z

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0320	DRINKING WATER	27-OCT-86	18601766

GROSS ALPHA 3 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP [N] [0]

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GAMMA
- [ ] TRITIUM
- [ ] PLUTONIUM
- [ ] RADON
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] GROSS BETA
- [ ] CARBON 14
- [ ] URANIUM
- [ ] RADIUM
- [ ] STRONTIUM
- [ ] OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 01 33 00 PD 0015

BASE: McCord AFB, CA

ORGANIZATION: USAF Hosp

WORKPLACE OR SITE: Receiver Site

DATE COLLECTED (YYMMDD): 861041 07

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: 1501

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL: 01 33 USAF HOSP/SGPB McCord AFB, WA 98431-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schaft AMN 90750

SIGNATURE: Robert Schaft

AUTOVON: 462-7505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 01 12

OEHL PID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N

R1-NITRIC ACID, pH < 2.0 (plastic container) NP-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

25-APR-86 R133P

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGP
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC).
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0112	WATER	09-APR-86	18600403

GROSS ALPHA	1.6	+/- 0.9	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 (plastic container) NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER (specify) _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER	0133-PD-015
BASE	[illegible] AFS, CA
ORGANIZATION	
WORKPLACE OR SITE	[illegible] Site

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
860117		1301	N/A

MAIL REPORTS TO (circle if changed)		
ORIGINAL	0133	USAF [illegible]/SCPC [illegible], CA [illegible]
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name,Grade,AFSC)	SIGNATURE	AUTOVON
[illegible]	[illegible]	461-3545

REASON FOR SUBMISSION: F

A-ACCIDENT/INCIDENT   C-COMPLAINT   F-FOLLOWUP/CLEANUP   N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY   O-OTHER *(specify)*

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: CP 86 0026

COLLECTION METHOD *(enter letter code)*

- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE *(enter letter code)*

X-Air,Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air,Emission,Source	M-Industrial Material	U-Urine
Z-Air,Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste,Hazardous,Toxic
O-Biological,Other	L-Sludge	N-Water,Nonpotable
F-Food	S-Soil	P-Water,Potable
G-Gas/Air,Compressed	W-Surface Contaminant	

PRESERVATION GROUP: [illegible]

R1-NITRIC ACID, pH < 2.0 *(plastic container)*   ND-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)*
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

COMMENTS

AF FORM JAN 81 2753

11-FEB-86 R133Z

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0020	DRINKING WATER	03-FEB-86	18600255

GROSS ALPHA <1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

G-Gas/Air,Compressed W-Surface Contaminant

PRESERVATION GROUP [L] [/]
R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2763

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 015

BASE: Moody AFB Ga

ORGANIZATION: 347TFW

WORKPLACE OR SITE: Receiver site

DATE COLLECTED (YYMMDD): 860712

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO./LOCATION: 1501

ROOM/AREA: N/A

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, NIC, 94750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
(R-ROUTINE BACKGROUND/PERIODIC SURVEY) O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: LBS.

AGE:

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 0247

COLLECTION METHOD (enter letter code)
- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code)
- X-Air, Ambient/Gen. Area
- Y-Air, Emission, Source
- Z-Air, Breathing Zone
- B-Blood
- O-Biological, Other
- F-Food
- G-Gas/Air, Compressed
- H-Human
- M-Industrial Material
- R-Nasal Swab
- D-Residue/Ash
- L-Sludge
- S-Soil
- W-Surface Contaminant
- C-Unclassified/Other
- U-Urine
- V-Vegetation
- T-Waste, Hazardous, Toxic
- N-Water, Nonpotable
- P-Water, Potable

PRESERVATION GROUP: W0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- ☒ GROSS ALPHA
- ☐ GROSS BETA
- ☐ GAMMA
- ☐ CARBON 14
- ☐ TRITIUM
- ☐ URANIUM
- ☐ PLUTONIUM
- ☐ RADIUM
- ☐ RADON
- ☐ STRONTIUM
- ☐ DRINKING WATER STANDARDS (AFR 161-44)
- ☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

	R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300		USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
CP 86 0247	DRINKING WATER	29-JUL-86	16601411

GROSS ALPHA	<1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 15-AUG-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: W Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
N9-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

LY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 AL 015

BASE: Moody AFB, Ga

ORGANIZATION:

WORKPLACE OR SITE: Receiver Site

DATE COLLECTED (YYMMDD): 861014

TIME COLLECTION BEGAN (24 hour clock): 1035

BLDG NO./LOCATION: 1501

ROOM/AREA: —

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman W. Laird, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: —

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 0321

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☑ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

NOV-86 R133Z

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0321	DRINKING WATER	27-OCT-86	18601767

GROSS ALPHA 2 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP N Ø
R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
NØ-NONE

ANALYSES REQUESTED

- [x] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER

BASE

ORGANIZATION

WORKPLACE OR SITE

DATE COLLECTED (YYMMDD)

TIME COLLECTION BEGAN (24 hour clock)

BLDG NO/LOCATION

ROOM/AREA

MAIL REPORTS TO (circle if changed)

ORIGINAL

COPY 1

COPY 2

SAMPLE COLLECTED BY (Name, Grade, AFSC)

SIGNATURE

AUTOVON

REASON FOR SUBMISSION

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME

EMPLOYEE SSAN

BASE SAMPLE NUMBER

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP

R1-NITRIC ACID, pH < 2.0 (plastic container) NO-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2763

-FEB-86 R133Z

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0017	DRINKING WATER	03-FEB-86	18600252

GROSS ALPHA <1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

PRESERVATION GROUP [ ] [/]
R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 XX PD 0013

BASE: Moody AFB, GA

ORGANIZATION: USAF HOSP

WORKPLACE OR SITE: Grassy Pond

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
18,6,0,4,0,2		Cabin	N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF HOSP/SGPB Moody AFB, GA 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
Robert Schraft, AMN, 90750	Robert Schraft	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 XX 1009

OEHL FID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: NO

R1-NITRIC ACID, pH < 2.0 (plastic container) NO-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

04-APR-86 R133P	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGP MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0109	WATER	09-APR-86	18600400

GROSS ALPHA	4.7	+/- 1.3	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

OPNL USE ONLY

WORKPLACE OR SITE IDENTIFIER: 0133 PD 013

BASE: Moody AFB Ga

ORGANIZATION: 347 TFW

WORKPLACE OR SITE: Grossy Pond

DATE COLLECTED (YYMMDD): 860721

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO./LOCATION: bldg 2019

ROOM/AREA: N/A

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R K

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES

(R)-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: LBS.

AGE:

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 0244

OEHL PID NUMBER (OEHL USE ONLY)

COLLECTION METHOD (enter letter code)

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)

☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM

☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

-86 R133Z	SAMPLE ANALYSIS RESULTS
AF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0244	DRINKING WATER	29-JUL-86	13601408

GROSS ALPHA 1 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N | 0

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

REMARKS

AF FORM 2783 DEC 84 PREVIOUS EDITION WILL BE USED.

4L1

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 013

BASE: Moody AFB, Ga

ORGANIZATION:

WORKPLACE OR SITE: Grassy Pond

DATE COLLECTED (YYMMDD): 861014

TIME COLLECTION BEGAN (24 hour clock): 0940

BLDG NO./LOCATION: Bldg 2019

ROOM/AREA:

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): NORMAN W. LAIRD, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: —

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS.

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GN 8603 19

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: W0

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

OV-86 R133Z	SAMPLE ANALYSIS RESULTS	
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501	

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GN 86 0319	WATER	27-OCT-86	18601765

GROSS ALPHA	1.0	+/-	1.0	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, breathing zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
NØ-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

REMARKS

AF FORM 2783 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: C 1 B 3 [redacted] - PD [redacted] - 0 1 2

BASE: [illegible] ORGANIZATION:

WORKPLACE OR SITE: [illegible]

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
970711		N/A	N/A

MAIL REPORTS TO (circle if changed)

ORIGINAL	0	1	2	3	[redacted]	USAF HEALTH CARE [illegible]	
COPY 1							
COPY 2							

SAMPLE COLLECTED BY (Name, Grade, APSC)	SIGNATURE	AUTOVON
[illegible]	[illegible]	461-2915

REASON FOR SUBMISSION: [redacted] R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME	EMPLOYEE SSAN
N/A	[redacted]

BASE SAMPLE NUMBER: C P [redacted] 8 6 0 0 1 8

COLLECTION METHOD (enter letter code)
- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: A [illegible]

R1-NITRIC ACID, pH < 2.0 (plastic container) NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [ ] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [X] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

COMMENTS

AF FORM JAN 91 2763

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0018	DRINKING WATER	03-FEB-86	18600253

GROSS ALPHA <1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

PRESERVATION GROUP [A] [ ]
R1-NITRIC ACID, pH < 2.0 (plastic container) R0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [ ] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER (specify) _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [X] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 00PD 0613

BASE: MOODY AFB, GA 31699 | ORGANIZATION: USAF HOSP

WORKPLACE OR SITE: GRASSY POND (POND WATER)

DATE COLLECTED (YYMMDD): 18,6,0,4,0,7 | TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: N/A | ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)
- ORIGINAL: 0133 USAF HOSP/SGPB MOODY AFB, GA 31699-5300
- COPY 1:
- COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schraft, AMN, 90750 | SIGNATURE: Robert Schraft | AUTOVON: 411-3565

REASON FOR SUBMISSION: R
A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME: N/A | EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP 86 0110 | OEHL PID NUMBER (OEHL use only):

COLLECTION METHOD (enter letter code)
- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N0
R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

20-APR-86 R133F

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGP
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
SP 86 0110	WATER	09-APR-86	19600401

GROSS ALPHA	<1.0	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 16-APR-86

PRESERVATION GROUP — N☒

R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE

R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- ☒ GROSS ALPHA
- ☐ GROSS BETA
- ☐ GAMMA
- ☐ OTHER *(specify)* _____
- ☐ CARBON 14
- ☐ TRITIUM
- ☐ URANIUM
- ☐ PLUTONIUM
- ☐ RADIUM
- ☐ RADON
- ☐ STRONTIUM
- ☐ DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

ILY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 013

BASE: Moody AFB Ga

ORGANIZATION: 347 TFW

WORKPLACE OR SITE: Grassy Pond

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
860727		—	Pond water

MAIL REPORTS TO (Circle if changed)

ORIGINAL	0133	USAF HOSP/SGPB Moody AFB Ga 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
NORMAN W. LAIRD, AIC, 98750	Norman W. Laird	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME	EMPLOYEE SSN
N/A	

EMPLOYEE WEIGHT	LBS.	AGE	SEX
			☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GN 86 0245

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N0
R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM DEC 84 2753 PREVIOUS EDITION WILL BE USED.

86 R133Z	SAMPLE ANALYSIS RESULTS
AF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GN 86 0245	WATER	29-JUL-86	18601409

GROSS ALPHA	<0.5	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

T-24 Hour Void
W-Wipe/Swipe
O-Other

B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP [N] [0]

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GAMMA
- [ ] TRITIUM
- [ ] PLUTONIUM
- [ ] RADON
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] GROSS BETA
- [ ] CARBON 14
- [ ] URANIUM
- [ ] RADIUM
- [ ] STRONTIUM
- [ ] OTHER *(specify)* _____

AIR FILTER DATA	COLLECTION TIME *min*	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 DEC 84 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 013

BASE: Moody AFB, Ga

ORGANIZATION:

WORKPLACE OR SITE: Grassy Pond

DATE COLLECTED (YYMMDD): 861014

TIME COLLECTION BEGAN (24 hour clock): 0940

BLDG NO./LOCATION:

ROOM/AREA: Pond Water

MAIL REPORTS TO (Circle if changed)

ORIGINAL: 0133 USAF HOSP/SGAB Moody AFB, Ga 31699-5300

COPY 1:

COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Norman W. Laird, AIC, 90750

SIGNATURE: Norman W. Laird

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: —

EMPLOYEE SSN:

EMPLOYEE WEIGHT: — LBS. —

AGE: —

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GN 86 0318

DEPARTMENT OF DEFENSE (DOD) USE ONLY

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: NØ

R1-NITRIC ACID, pH < 2.0 (plastic container) N9-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS (AFR 161-44)
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER (specify)

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

NOV-86 R133Z

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGPB
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GN 86 0318	WATER	27-OCT-86	18601764

GROSS ALPHA	1.0	+/- 1.0	PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: N 0

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GAMMA
- [ ] TRITIUM
- [ ] PLUTONIUM
- [ ] RADON
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] GROSS BETA
- [ ] CARBON 14
- [ ] URANIUM
- [ ] RADIUM
- [ ] STRONTIUM
- [ ] OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 PREVIOUS EDITION WILL BE USED.

RADIOLOGICAL SAMPLING DATA

ORNL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133--PD--010

BASE: Moody AFB GA 31699

ORGANIZATION: USAF HOSP

WORKPLACE/OR SITE: Hospital well #

DATE COLLECTED (YYMMDD): 18,6,10,11,7

TIME COLLECTION BEGAN (24 hour clock):

BLDG NO/LOCATION: 900

ROOM/AREA: N/A

MAIL REPORTS TO (circle if changed)
- ORIGINAL: 0133 USAF HOSP/SGPD MOODY AFB, GA 31699-5300
- COPY 1:
- COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Robert Schaft, Civ, 90730

SIGNATURE: Robert Schaft

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT
R-ROUTINE BACKGROUND/PERIODIC SURVEY
C-COMPLAINT
F-FOLLOWUP/CLEANUP
O-OTHER (specify)
N-NPDES

EMPLOYEE NAME: N/A

EMPLOYEE SSAN:

BASE SAMPLE NUMBER: GP86-0013

ORNL PID NUMBER (ORNL use only):

COLLECTION METHOD (enter letter code)
- C-Composite
- G-Grab
- V-Single Void
- T-24 Hour Void
- W-Wipe/Swipe
- O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N0

R1-NITRIC ACID, pH < 2.0 (plastic container)
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)
N0-NONE

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 91 2753

11-FEB-86 R133Z	SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300	USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GF 86 0013	DRINKING WATER	03-FEB-86	18600248

GROSS ALPHA	<1	PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 05-FEB-86

G-Gas/Air,Compressed W-Surface Contaminant

PRESERVATION GROUP [N] [0]
R1-NITRIC ACID, pH < 2.0 *(plastic container)* NO-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

OEHL USE ONLY

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 GP 8010

BASE: Moody AFB, GA

ORGANIZATION: USAF Hosp

WORKPLACE OR SITE: Hospital

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO/LOCATION	ROOM/AREA
18,10,11,92		9000	SC-PB

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF HOSP/SC-PB MOODY AFB, GA 31699
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
Kent Schutt, HosN, 90750	Kent Schutt	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (specify)

EMPLOYEE NAME	EMPLOYEE SSAN
N/A	

BASE SAMPLE NUMBER	OEHL PID NUMBER (OEHL use only)
GP 86 0105	

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N

R1-NITRIC ACID, pH < 2.0 (plastic container) ND-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS (AFR 161-44)
- [ ] OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

25-APR-86 R133P

SAMPLE ANALYSIS RESULTS

USAF HOSP MOODY/SGP
MOODY AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC)
BROOKS AFB,TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GF 86 0105	WATER	09-APR-86	18600396

GROSS ALPHA <6.9 PICOCURIES PER LITER

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 18-APR-86

PRESERVATION GROUP — R1-NITRIC ACID, pH < 2.0 *(plastic container)* — NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [x] GROSS ALPHA
- [ ] GROSS BETA
- [ ] GAMMA
- [ ] OTHER *(specify)* _____
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

COMMENTS

AF FORM JAN 81 2753

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER	Ø 1 3 3 · P D · Ø 1 Ø
BASE	Moody AFB, Ga
ORGANIZATION	347 TFW
WORKPLACE OR SITE	USAF Hospital Moody AFB
DATE COLLECTED (YYMMDD)	8 6 Ø 7 2 2
TIME COLLECTION BEGAN (24 hour clock)	
BLDG NO./LOCATION	900
ROOM/AREA	Bio Lab

MAIL REPORTS TO *(Circle if changed)*

ORIGINAL	Ø 1 3 3	USAF Hosp/SGPB Moody AFB. Ga. 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	NORMAN W LAIRD, A1C, 90750
SIGNATURE	Norman W Laird
AUTOVON	460-3505

REASON FOR SUBMISSION: R

A–ACCIDENT/INCIDENT C–COMPLAINT F–FOLLOWUP/CLEANUP N–NPDES
(R)–ROUTINE BACKGROUND/PERIODIC SURVEY O–OTHER *(Specify)*

EMPLOYEE NAME	N/A
EMPLOYEE SSN	
EMPLOYEE WEIGHT	— LBS. —
AGE	—
SEX	☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: G P 86 Ø240

OEHL FOR USE ONLY

COLLECTION METHOD *(enter letter code)*

C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE *(enter letter code)*

X-Air, Ambient/Gen. Area	H-Human	C-Unclassified/Other
Y-Air, Emission, Source	M-Industrial Material	U-Urine
Z-Air, Breathing Zone	R-Nasal Swab	V-Vegetation
B-Blood	D-Residue/Ash	T-Waste, Hazardous, Toxic
O-Biological, Other	L-Sludge	N-Water, Nonpotable
F-Food	S-Soil	P-Water, Potable
G-Gas/Air, Compressed	W-Surface Contaminant	

PRESERVATION GROUP: N Ø

R1-NITRIC ACID, pH < 2.0 *(plastic container)* NØ-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

☒ GROSS ALPHA ☐ GAMMA ☐ TRITIUM ☐ PLUTONIUM ☐ RADON ☐ DRINKING WATER STANDARDS *(AFR 161-44)*
☐ GROSS BETA ☐ CARBON 14 ☐ URANIUM ☐ RADIUM ☐ STRONTIUM
☐ OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME	FLOW RATE	VOLUME COLLECTED
	min		

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

R133Z

SAMPLE ANALYSIS RESULTS

...r MOODY/SGPB
... AFB GA 31601-5300

USAF OCCUPATIONAL AND ENVIRONMENTAL
HEALTH LABORATORY(AFSC)
BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0240	DRINKING WATER	29-JUL-86	18601404

GROSS ALPHA 1 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO
DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 08-AUG-86

T-24 Hour Void
W-Wipe/Swipe
O-Other

O-Biological, Other
F-Food
G-Gas/Air, Compressed

L-Sludge
S-Soil
W-Surface Contaminant

P-Water, Potable

PRESERVATION GROUP: N | O

R1-NITRIC ACID, pH < 2.0 *(plastic container)*
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*
Nϕ-NONE

ANALYSES REQUESTED

- [x] GROSS ALPHA
- [ ] GROSS BETA
- [ ] OTHER *(specify)*
- [ ] GAMMA
- [ ] CARBON 14
- [ ] TRITIUM
- [ ] URANIUM
- [ ] PLUTONIUM
- [ ] RADIUM
- [ ] RADON
- [ ] STRONTIUM
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2783 PREVIOUS EDITION WILL BE USED.

LY

RADIOLOGICAL SAMPLING DATA

(Use this space for mechanical imprint)

WORKPLACE OR SITE IDENTIFIER: 0133 PD 010

BASE: Moody AFB Ga

ORGANIZATION: USAF Hosp

WORKPLACE OR SITE: Hospital Bldg 900

DATE COLLECTED (YYMMDD)	TIME COLLECTION BEGAN (24 hour clock)	BLDG NO./LOCATION	ROOM/AREA
861014	1200	900	Bio Lab

MAIL REPORTS TO (Circle if changed)

ORIGINAL	0133 USAF HOSP/SGPB Moody AFB Ga 31699-5300
COPY 1	
COPY 2	

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
NORMAN W. LAIRD, A1C, 90750	Norman W. Laird	460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT C-COMPLAINT F-FOLLOWUP/CLEANUP N-NPDES
R-ROUTINE BACKGROUND/PERIODIC SURVEY O-OTHER (Specify)

EMPLOYEE NAME: N/A

EMPLOYEE SSN:

EMPLOYEE WEIGHT: ___ LBS. ___

AGE: ___

SEX: ☐ MALE ☐ FEMALE

BASE SAMPLE NUMBER: GP 86 0314

COLLECTION METHOD (enter letter code)
C-Composite
G-Grab
V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

SAMPLE TYPE (enter letter code)
X-Air, Ambient/Gen. Area
Y-Air, Emission, Source
Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed
H-Human
M-Industrial Material
R-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant
C-Unclassified/Other
U-Urine
V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP: NJ

R1-NITRIC ACID, pH < 2.0 (plastic container) N0-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 (with $Na_2S_2O_3$ in glass container)

ANALYSES REQUESTED

- ☒ GROSS ALPHA
- ☐ GAMMA
- ☐ TRITIUM
- ☐ PLUTONIUM
- ☐ RADON
- ☐ DRINKING WATER STANDARDS (AFR 161-44)
- ☐ GROSS BETA
- ☐ CARBON 14
- ☐ URANIUM
- ☐ RADIUM
- ☐ STRONTIUM
- ☐ OTHER (specify) _____

AIR FILTER DATA	COLLECTION TIME (min)	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2753 DEC 84 PREVIOUS EDITION WILL BE USED.

JV-86 R133Z		SAMPLE ANALYSIS RESULTS
USAF HOSP MOODY/SGPB MOODY AFB GA 31601-5300		USAF OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY(AFSC) BROOKS AFB, TEXAS 78235-5501

IDENTIFICATION	TYPE OF SAMPLE	DATE RECEIVED	OEHL NUMBER
GP 86 0314	DRINKING WATER	27-OCT-86	18601760

GROSS ALPHA 1 +/- 1 PICOCURIES PER LITER

ABOVE SAMPLE COMPLIES WITH AFR 161-44
CHECK ANNUAL AVERAGE OF RESULTS FOR THIS SITE TO DETERMINE COMPLIANCE WITH AFR 161-44

EDWARD F. MAHER, MAJOR, USAF, BSC
CHIEF, RADIOANALYTICAL SERVICES BR.
AUTOVON 240-2061

DATE COMPLETED 07-NOV-86

V-Single Void
T-24 Hour Void
W-Wipe/Swipe
O-Other

Z-Air, Breathing Zone
B-Blood
O-Biological, Other
F-Food
G-Gas/Air, Compressed

H-Nasal Swab
D-Residue/Ash
L-Sludge
S-Soil
W-Surface Contaminant

V-Vegetation
T-Waste, Hazardous, Toxic
N-Water, Nonpotable
P-Water, Potable

PRESERVATION GROUP [W] [J]

R1-NITRIC ACID, pH < 2.0 *(plastic container)* N5-NONE
R2-HYDROCHLORIC ACID, pH < 2.0 *(with $Na_2S_2O_3$ in glass container)*

ANALYSES REQUESTED

- [X] GROSS ALPHA
- [ ] GAMMA
- [ ] TRITIUM
- [ ] PLUTONIUM
- [ ] RADON
- [ ] DRINKING WATER STANDARDS *(AFR 161-44)*
- [ ] GROSS BETA
- [ ] CARBON 14
- [ ] URANIUM
- [ ] RADIUM
- [ ] STRONTIUM
- [ ] OTHER *(specify)*

AIR FILTER DATA	COLLECTION TIME min	FLOW RATE	VOLUME COLLECTED

REMARKS

AF FORM 2763 PREVIOUS EDITION WILL BE USED.

27 SEP 1985

FROM: USAF OEHL/SA
BROOKS AFB TX 78235 - 5501

SAMPLE RECEIVED: WATER

DATE RECEIVED: 17 SEP 1985

SAMPLE FROM:

LAB CONTROL NO:

TEST FOR: Volatile Halocarbons

Methodology: EPA Method 601 WELL #7

OEHL NO:	65206					DET.
BASE NO:	GP850165					LIMIT
Bromodichloromethane	NO					0.1
Bromoform						0.2
Bromomethane						1.0
Carbon Tetrachloride						0.1
Chlorobenzene						0.2
Chloroethane						0.5
2-Chloroethylvinyl ether						0.1
Chloroform						0.1
Chloromethane						0.1
Dibromochloromethane						0.1
1,2-Dichlorobenzene						0.2
1,3-Dichlorobenzene						0.2
1,4-Dichlorobenzene						0.2
Dichlorodifluoromethane						0.1
1,1-Dichloroethane						0.2
1,2-Dichloroethane						0.2
1,1-Dichloroethene						0.1
trans-1,2-Dichloroethene						0.1
1,2-Dichloropropane						0.1
cis-1,3-Dichloropropene						0.2
trans-1,3-Dichloropropene						0.2
Methylene Chloride					" "	0.2
1,1,2,2-Tetrachloroethane						0.1
Tetrachloroethylene						0.1
1,1,1-Trichloroethane						0.1
1,1,2-Trichloroethane						0.1
Trichloroethylene						0.1
Trichlorofluoromethane						0.1
Vinyl Chloride	↓					0.2

Results in Micrograms per Liter

DATE ANALYZED: 19 SEP 1985

- ERIC A. BANKS, Capt, USAF
Chemist

Edward J. Brown

30 SEP 1985

REQUESTING AGENCY (Mailing Address)
USAF Hosp/SGPB
Moody AFB GA
31699-5300

ND-NONE DETECTED, LESS THAN THE DETECTION LIMIT.

TRACE-PRESENT BUT LESS THAN THE QUANTITATIVE LIMIT.
TRACE = 2 times Detection Limit.

AUTOFORM [illegible] PREVIOUS EDITION IS OBSOLETE.

LABORATORY ANALYSIS REPORT AND RECORD (General)

DATE: 25 SEP 1985

FROM: USAF OEHL/SA
Brooks AFB TX 78235-5501

SAMPLE IDENTITY: Water

DATE RECEIVED: 17 SEP 1985

SAMPLE FROM:

LAB CONTROL NR:

TEST FOR: Volatile Aromatics

Methodology: EPA 602

					Detection Limit	
OEHL NO:	65207				ND	TR
BASE NO:	GP850165					
Benzene	ND				1.0	2.0
Chlorobenzene	↓				1.0	2.0
1,2-Dichlorobenzene					2.0	3.0
1,3-Dichlorobenzene					2.0	3.0
1,4-Dichlorobenzene					2.0	3.0
Ethylbenzene					1.0	2.0
Toluene					1.0	2.0

Results in micrograms per liter.

ND-None Detected. Less than the detection limit.
TRACE-Present but less than the quantitative limit.

DATE ANALYZED: 24 SEP 1985

Edward J. Brown

25 SEP

REQUESTING AGENCY (Mailing Address)

USAF HOSP/SGPB
Moody AFB, GA
31699-5300

ANNA WILLIS
Technician

PREVIOUS EDITION IS OBSOLETE.

ANALYSE REQUESTED REMARKS ...ATORY PER...

...ATORY ANALYSIS REPORT AND RECORD (General)

2? SEP 1985

FROM: USAF OEHL/SA
BROOKS AFB TX 78235-5000

SAMPLE IDENTITY
POTABLE WATER

DATE RECEIVED
17 Sept 85

SAMPLE FROM

LAB CONTROL NR

TEST FOR
TOTAL TRIHALOMETHANES (TOTAL THM)

METHODOLOGY: EPA METHOD 501.1

OEHL NO:	65208				
BASE NO:	GP850165				
CHLOROFORM	ND				
BROMODICHLOROMETHANE					
DIBROMOCHLOROMETHANE					
BROMOFORM	ND				
TOTAL THM	<100				

RESULTS IN MICROGRAMS PER LITER

ND - None detected. Less than the detection limit. ND <0.1
TRACE - Present but less than the quantitative limit. TR <0.2

DATE ANALYZED: 23 Sept 85

Edward J. Brown

SEP 1985

REQUESTING AGENCY (Mailing Address)
USAF HOSP/SGPB
MOODY AFB, GA 31699-5300

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	65202-205 00808	GP850165 00028

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
17 Sept. 85	30 Sept. 85

7. SITE DESCRIPTION			ON-SITE ANALYTICAL RESULTS		
S-17			16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041			
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES		
13. SAMPLING TECHNIQUE		14. PHONE NUMBER			
15. REASON FOR SAMPLE SUBMISSION					

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

204 PRESERVATION GROUP F (263)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µG/L
BARIUM	01007		1000 µG/L
CADMIUM	01027	<10	10. µG/L
CHROMIUM	01034	<50	50 µG/L
LEAD	01051	<20	50 µG/L
MERCURY	71900	<1	2 µG/L
SELENIUM	01147		10 µG/L
SILVER	01077		50 µG/L

PRESERVATION GROUP C

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620		10 MG/L

205 PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit
QPA COD		30	
T O C		<1	
QPC			
Kjeldahl Nitrogen		<0.2	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	
IRON	01045	
MANGANESE	01055	
ZINC	01092	
CALCIUM As Ca	00916	22.6 mg/l
MAGNESIUM as Mg	00927	13.6 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	mg/l
Chrom VI		<50
Nickel		<50

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	0
Alkalin, Phenolth As $CaCO_3$	00415	2
Alkalinity, Total, As $CaCO_3$	00410	121
Chloride	00940	
Hardness As $CaCO_3$	00900	112
Residue, Filtrable (TDS)	00515	
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	8.0
Surfactants MBAS As LAS	38260	

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS	CHEMIST ID	REVIEWED BY	APPROVED BY
USAF Hosp./SGPB 31699-5300 Moody AFB, GA.	031 EH.Hil		Dedrid

AMD FORM MAR 83 229 — POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA
(TRACE ORGANICS)

OEHL USE ONLY

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 PG 005

BASE WHERE SAMPLE COLLECTED: Moody AFB GA. 31699-5300

SAMPLING SITE DESCRIPTION: Well No. 7

DATE COLLECTION BEGAN (YYMMDD): 3 5 0 9 1 6

TIME COLLECTION BEGAN (24 hour clock): 1300

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
- ORIGINAL: 0133 USAF HOSP/SGPB Moody AFB GA 31699 5300
- COPY 1:
- COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Wills, GREGORY K AK 90750

SIGNATURE: Gregory K. Wills

AUTOVON: 460-3505

REASON FOR SUBMISSION: [A] A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify) IRP SAMPLE

BASE SAMPLE NUMBER: 6P 85 0165

OEHL PID:

ANALYSES REQUESTED (check appropriate blocks)

VOLATILE HALOCARBONS (VOH)	(10860)	Trichlorofluoromethane	34488	MISCELLANEOUS	
PRES GROUP T1		Vinyl Chloride	39175	VOLATILES	
[X] Volatile Halocarbon Screen	1001460PH			PRES GROUP T1	
Bromodichloromethane	32101			Xylene	81710
Bromoform	32104			Methylethyl ketone	81595
Bromomethane	34413	TRIHALOMETHANES (THM)	(10860)	Methylisobutyl ketone	81596
Carbon Tetrachloride	32102	PRES GROUP T1		[X] Total organic halides	10021060H
Chlorobenzene	34301	[X] Trihalomethane Potential	1001465MT		
Chloroethane	34311	Total Trihalomethanes	82080		
2-Chloroethylvinyl ether	34576				
Chloroform	32106	VOLATILE AROMATICS (VOA)	(10850)		
Chloromethane	34418	PRES GROUP T1			
Dibromochloromethane	32105	[X] Volatile Aromatic Screen	1001461PA		
1, 2-dichlorobenzene	34536	Benzene	34030	MISCELLANEOUS	
1, 3-dichlorobenzene	34566	Chlorobenzene	34301	EXTRACTABLES	
1, 4-dichlorobenzene	34571	1, 2-dichlorobenzene	34536	PRES GROUP T4	
Dichlorodifluoromethane	34668	1, 3-dichlorobenzene	34566	PCB's	39516
1, 1-dichloroethane	34496	1, 4-dichlorobenzene	34571	Phthalate Esters Screen	1000069PH
1, 2-dichloroethane	34531	Ethylbenzene	34371	bis (2-ethylhexyl) phthalate	39100
1, 1-dichloroethene	34501	Toluene	34010	Butyl Benzyl phthalate	34292
trans-1, 2-dichloroethene	34546			Di-n-butyl phthalate	39110
1, 2-dichloropropane	34541			Diethyl phthalate	34336
cis-1, 3-dichloropropene	34704			Dimethyl phthalate	34341
trans-1, 3-dichloropropene	34699			Di-n-octyl phthalate	34596
Methylene Chloride	34423				
1, 1, 2, 2-tetrachloroethane	34516				
Tetrachloroethylene	34475				
1, 1, 1-trichloroethane	34506				
1, 1, 2-trichloroethane	34511				
Trichloroethylene	39180				

REMARKS

File 15-C
125

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 013 P6 005

BASE WHERE SAMPLE COLLECTED: Moody AFB GA 31699-5300

SAMPLING SITE DESCRIPTION: WELL NO. 7

DATE COLLECTION BEGAN (YYMMDD): 910916

TIME COLLECTION BEGAN (24 hour clock): 1300

COLLECTION METHOD: ☑ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL	0133	USAF Hosp/SGPB Moody AFB GA 31699-5300
COPY 1		
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC): Wills, Gregory K A1C 90750

SIGNATURE: Gregory K. Wills

AUTOVON: 460 3505

REASON FOR SUBMISSION: ER

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify): IRP Sample

BASE SAMPLE NUMBER: P3501655

ANALYSES REQUESTED (Check appropriate blocks)

	GROUP A		X	Hardness	00900		Silica	00955		2, 4, 5-T	39740
	Ammonia	00610		Iron	01045		Specific Conductance	00095		2, 4, 5-TP-Silvex	39760
X	Chemical Oxygen Demand	00340	X	Lead	01051	X	Sulfate	00945			
X	Kjeldahl Nitrogen	00625		Magnesium	00927		Surfactans-MBAS	38260			
	Nitrate	00620		Manganese	01055		Turbidity	00076			
	Nitrite	00615	X	Mercury	71900						
	Oil & Grease	00560	X	Nickel	01067						
X	Organic Carbon	00680		Potassium	00937						
	Orthophosphate	00671		Selenium	01147		GROUP H				
	Phosphorus, Total	00665		Silver	01077		Aldrin	39330			
				Sodium	00929		BHC Isomers	39340			
	GROUP D			Thallium	01059		a-BHC	39337			
	Cyanide, Total	00720		Zinc	01092		b-BHC	39338			
	Cyanide, Free	00722					d-BHC	34259			
							Chlordane	39350		GROUP J	
	GROUP E			GROUP G			DDT Isomers	39370		Sulfides	00745
	Phenols	32730	X	Acidity, Total	70508		p, p-DDD	39310			
			X	Alkalinity, Total	00410		p, p-DDE	39320			
	GROUP F			Alkalinity, Bicarbonate	00425		p, p-DDT	39300			
	Antimony	01097		Bromide	71870		Dieldrin	39380		ON SITE ANALYSES	
X	Arsenic	01002		Carbon Dioxide	00405		Dursban	77969		PARAMETER	VALUE
	Barium	01007		Chloride	00940		Endrin	39390		Flow 50050	mgd
	Beryllium	01012		Color	00080		Heptachlor	39410		Chlorine, Total 50060	mg/l
	Boron	01022		Fluoride	00951		Heptachlor Epoxide	39420		Dissolved Oxygen 00300	mg/l
X	Cadmium	01027		Residue, Total	00500		Lindane	39782		pH 00400	units
	Calcium	00916		Residue, Filterable (TDS)	70300		Methoxychlor	39480		Temperature 00010	°C
X	Chromium, Total	01034		Residue, Nonfilterable	00530		Pramitol (Prometon)	XY4200000		Odor 00086	
X	Chromium VI	01032		Residue, Settleable	50085		Toxaphene	39400		Iodide 71865	
	Copper	01042		Residue, Volatile	00505		2, 4-D	39730		Sulfite 00740	

REMARKS

PCB LABORATORY ANALYSIS RECORD

DATE: 21 Oct 85

TO:

FROM: USAF OEHL/BA
Brooks AFB TX 78235

1. SAMPLE IDENTITY: WATER

2. DATE RECEIVED: 17 Sept 85

3. SAMPLE FROM:

4. LAB CONTROL NUMBER: See below

5. TEST FOR: TOTAL ORGANIC HALOGENS (TOX)

6. METHODOLOGY: GAS CHROMATOGRAPHY (GC)

OEHL NUMBER	BASE NUMBER	micrograms/liter	OEHL NUMBER	BASE NUMBER	micrograms/liter
65209	GP850165	22			
Grab sample from well #7					

COMMENTS

Sample analyzed by contract lab

LeRoy P. George
Chief, Trace Organics Section

ND - None detected. Less than the detection limit.
Trace - Present but less than the quantitative limit.

REQUESTING AGENCY (Mailing Address)

USAF HOSP/SGPB
MOODY AFB GA
31699-5300

File 15-C
PWS

DEPARTMENT OF THE AIR FORCE
USAF HOSPITAL MOODY (TAC)
MOODY AIR FORCE BASE GA 31699

REPLY TO
ATTN OF: SGPB (2Lt Boucher) 13 February 1985

SUBJECT: Analyzation of Base Drinking Water Systems For Trihalomethanes

TO: SG
SGA
IN TURN

1. In February, base drinking water systems were analyzed for their trihalomethane content. Results indicate that on-base drinking water is not exceeding the .1 mg/L trihalomethane concentration standard set by the State of Georgia. Grassy Pond is exceeding the State standard with a detected concentration of .166 mg/L. A sinkhole located by Grassy Pond, is the organic contaminant's suspected route of entry into the principal aquifer.

2. The actions being taken are:

a. accomplishing further research to determine a practical solution.

b. coordinating Hospital, Grassy Pond, and PA offices in the production of an article to inform Grassy Pond vistors of this problem.

c. notifing the Georgia Department of Natural Resources of the detected levels.

3. All future articles and actions will be forwarded for your approval.

Michael N Boucher
MICHAEL N. BOUCHER, 2Lt, USAF, BSC
Chief, Bioenvironmental Engineering Services

Readiness is our Profession

file 15-C

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 70 010

BASE WHERE SAMPLE COLLECTED: Mood, AFB GA

SAMPLING SITE DESCRIPTION: Bldg 900 HOSPITAL

DATE COLLECTION BEGAN (YYMMDD): 810612

TIME COLLECTION BEGAN (24 hour clock): 0900

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
ORIGINAL: 0133 USAF HOSP/SGPB Mood, AFB GA
COPY 1:
COPY 2:

SAMPLE COLLECTED BY (Name, Grade, AFSC): Sheryl Wills AIC 90730

SIGNATURE: Sheryl Wills

AUTOVON: 460 3505

REASON FOR SUBMISSION: R
A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: 6N 35 0030

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		Hardness	00900	Residue, Settleable	50086		GROUP T	
	Ammonia	00610	Iron	01045	Residue, Volatile	00505		Bromoform	32104
	Chemical Oxygen Demand	00340	Lead	01051	Silica	00955		Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625	Magnesium	00927	Specific Conductance	00095		Carbon Tetrachloride	32102
	Nitrate	00620	Manganese	01055	Sulfate	00945		Chloroform	32106
	Nitrite	00615	Mercury	71900	Sulfite	00740		Chloromethane	34418
	Oil & Grease	00560	Nickel	01067	Surfactants -MBAS	38260		Dibromochloromethane	32105
	Organic Carbon	00680	Potassium	00937	Turbidity	00076		Methylene Chloride	34423
	Orthophosphate	00671	Selenium	01147				Tetrachloroethylene	34475
	Phosphorus, Total	00665	Silver	01077				1,1,1-Trichloroethane	34506
			Sodium	00929	GROUP H			Trichloroethylene	39180
	GROUP D		Thallium	01059	BHC Isomers	39340	X	Trihalomethanes	82080
	Cyanide, Total	00720	Zinc	01092	Chlordane	39350		PCBs	39516
	Cyanide, Free	00722			DDT Isomers	39370			
					Dieldrin	39380			
	GROUP E		GROUP G		Endrin	39390			
	Phenols	32730	Acidity, Total	70508	Heptachlor	39410			
			Alkalinity, Total	00410	Heptachlor Epoxide	39420			
	GROUP F		Alkalinity, Bicarbonate	00425	Lindane	39782			
	Antimony	01097	Bromide	71870	Methoxychlor	39480			
	Arsenic	01002	Carbon Dioxide	00405	Toxaphene	39400			
	Barium	01007	Chloride	00940	2,4-D	39730		ON SITE ANALYSES	
	Beryllium	01012	Color	00080	2,4,5-TP-Silver	39760		Parameter	Value
	Boron	01022	Fluoride	00951	2,4,5-T	39740		Flow 50050	mgd
	Cadmium	01027	Iodide	71865				Chlorine, Total 50060	mg/l
	Calcium	00916	Odor	00086				Dissolved Oxygen 00300	mg/l
	Chromium, Total	01034	Residue, Total	00500				pH 00400	units
	Chromium VI	01032	Residue, Filterable (TDS)	70300	GROUP J			Temperature 00010	°C
	Copper	01042	Residue, Nonfilterable	00530	Sulfides	00745			

COMMENTS: SAMPLE B

AF FORM JAN 81 2752

LIN

= title 15-C

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

Field	Entry
SAMPLING SITE IDENTIFIER (AFR 19-7)	0133 PD 010
BASE WHERE SAMPLE COLLECTED	Moody AFB GA
SAMPLING SITE DESCRIPTION	GRASSY Pond #2019
DATE COLLECTION BEGAN (YYMMDD)	85 02 05
TIME COLLECTION BEGAN (24 hour clock)	0945
COLLECTION METHOD	[X] GRAB [ ] COMPOSITE ____ HOURS
MAIL REPORTS TO (circle if changed) — ORIGINAL	0133 USAF Hosp/SGPB Moody AFB GA
COPY 1	
COPY 2	
SAMPLE COLLECTED BY (Name, Grade, AFSC)	Gregory Wilks A1C 90730
SIGNATURE	Gregory Wilks
AUTOVON	460-3505
REASON FOR SUBMISSION	R
BASE SAMPLE NUMBER	GN 85 0031

REASON FOR SUBMISSION codes: A-ACCIDENT/INCIDENT, R-ROUTINE/PERIODIC, C-COMPLAINT, N-NPDES, F-FOLLOWUP/CLEANUP, O-OTHER (specify)

ANALYSES REQUESTED (check appropriate blocks)

Check	Analysis	Code	Check	Analysis	Code	Check	Analysis	Code	Check	Analysis	Code
	GROUP A			Hardness	00900		Residue, Settleable	50086		**GROUP T**	
	Ammonia	00610		Iron	01045		Residue, Volatile	00505		Bromoform	32104
	Chemical Oxygen Demand	00340		Lead	01051		Silica	00955		Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625		Magnesium	00927		Specific Conductance	00095		Carbon Tetrachloride	32102
	Nitrate	00620		Manganese	01055		Sulfate	00945		Chloroform	32106
	Nitrite	00615		Mercury	71900		Sulfite	00740		Chloromethane	34418
	Oil & Grease	00560		Nickel	01067		Surfactants -MBAS	38260		Dibromochloromethane	32105
	Organic Carbon	00680		Potassium	00937		Turbidity	00076		Methylene Chloride	34423
	Orthophosphate	00671		Selenium	01147					Tetrachloroethylene	34475
	Phosphorus, Total	00665		Silver	01077					1,1,1-Trichloroethane	34506
				Sodium	00929		**GROUP H**			Trichloroethylene	39180
	GROUP D			Thallium	01059		BHC Isomers	39340	X	Trihalomethanes	82080
	Cyanide, Total	00720		Zinc	01092		Chlordane	39350		PCBs	39516
	Cyanide, Free	00722					DDT Isomers	39370			
							Dieldrin	39380			
	GROUP E			**GROUP G**			Endrin	39390			
	Phenols	32730		Acidity, Total	70508		Heptachlor	39410			
				Alkalinity, Total	00410		Heptachlor Epoxide	39420			
	GROUP F			Alkalinity, Bicarbonate	00425		Lindane	39782			
	Antimony	01097		Bromide	71870		Methoxychlor	39480			
	Arsenic	01002		Carbon Dioxide	00405		Toxaphene	39400			
	Barium	01007		Chloride	00940		2,4-D	39730		**ON SITE ANALYSES**	
	Beryllium	01012		Color	00080		2,4,5-TP-Silvex	39760		Parameter	Value
	Boron	01022		Fluoride	00951		2,4,5-T	39740		Flow 50050	mgd
	Cadmium	01027		Iodide	71865					Chlorine, Total 50060	mg/l
	Calcium	00916		Odor	00086					Dissolved Oxygen 00300	mg/l
	Chromium, Total	01034		Residue, Total	00500					pH 00400	units
	Chromium VI	01032		Residue, Filterable (TDS)	70300		**GROUP J**			Temperature 00010	°C
	Copper	01042		Residue, Nonfilterable	00530		Sulfides	00745			

COMMENTS

SAMPLE A

AF FORM JAN 81 2752

LABORATORY ANALYSIS REPORT AND RECORD (General)

DATE: 13 FEB 1985

TO:

FROM: USAF OEHL/SA
BROOKS AFB TX 78235-5000

SAMPLE IDENTITY: POTABLE WATER

DATE RECEIVED: 6 FEB 1985

SAMPLE FROM:

LAB CONTROL NO: 8968, 8970

TEST FOR: TOTAL TRIHALOMETHANES (TOTAL THM)

METHODOLOGY: EPA METHOD 501.1 (Hosp) (Gravity Mod.)

OEHL NO:	8968	8970			
BASE NO:	GN850030	GN850031			
CHLOROFORM	84.0	158.9			
BROMODICHLOROMETHANE	2.7	6.7			
DIBROMOCHLOROMETHANE	0.3	ND			
BROMOFORM	ND	ND			
TOTAL THM	<100	165.6			

RESULTS IN MICROGRAMS PER LITER

ND - None detected. Less than the detection limit. ND <0.1
TRACE - Present but less than the quantitative limit. TR <0.2

DATE ANALYZED: 7 FEB 1985

Edward J. Brown

13 FEB 1985

REQUESTING AGENCY (Mailing Address)

USAF HOSP/SGPB
MOODY AFB, GA
31699-5300

A L Willis
Technician

..VIRONMENTAL SAMPLING DATA

..ve space for mechanical imprint)

SAMPLING SITE IDENTIFIER (APR 19-7): 0133 PO 001

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: HOSPITAL BLD 900

DATE COLLECTION BEGAN (YYMMDD): 891101

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133 / COPY 1 / COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31644-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460-3505

REASON FOR SUBMISSION: [R]

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0140

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A			GROUP D			GROUP E			GROUP F			GROUP G			GROUP H			GROUP J			GROUP T	
	Ammonia	00610	X	Cyanide, Total	00720		Phenols	32730		Antimony	01097	X	Acidity, Total	70508		BHC Isomers	39340		Sulfides	00745		Bromoform	32104
	Chemical Oxygen Demand	00340		Cyanide, Free	00722	X	Alkalinity, Total	00410	X	Arsenic	01002	X	Alkalinity, Bicarbonate	00425		Chlordane	39350					Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625	X						X	Barium	01007		Bromide	71870		DDT Isomers	39370					Carbon Tetrachloride	32102
X	Nitrate	00620							X	Beryllium	01012		Carbon Dioxide	00405		Dieldrin	39380					Chloroform	32106
	Nitrite	00615	X							Boron	01022	X	Chloride	00940		Endrin	39390					Chloromethane	34418
	Oil & Grease	00560							X	Cadmium	01027		Color	00080		Heptachlor	39410					Dibromochloromethane	32105
	Organic Carbon	00680							X	Calcium	00916		Fluoride	00951		Heptachlor Epoxide	39420					Methylene Chloride	34423
	Orthophosphate	00671	X						X	Chromium, Total	01034		Iodide	71865	X	Lindane	39782					Tetrachloroethylene	34475
	Phosphorus, Total	00665	X							Chromium VI	01032		Odor	00086	X	Methoxychlor	39480					1,1,1-Trichloroethane	34506
			X						X	Copper	01042		Residue, Total	00500	X	Toxaphene	39400					Trichloroethylene	39180
												X	Residue, Filterable (TDS)	70300	X	2,4-D	39730					Trihalomethanes	82080
													Residue, Nonfilterable	00530		2,4,5-TP-Silvex	39760					PCBs	39516
															X	2,4,5-T	39740						

ON SITE ANALYSES	
Parameter	Value
Flow 50050	mgd
Chlorine, Total 50060	mg/l
Dissolved Oxygen 00300	mg/l
pH 00400	7.2 units
Temperature 00010	64 °F

COMMENTS

AF FORM JAN 91 2752

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

Field	Entry
SAMPLING SITE IDENTIFIER (AFR 19-7)	0133 PD 002
BASE WHERE SAMPLE COLLECTED	MOODY AFB
SAMPLING SITE DESCRIPTION	MUNITION AREA Bld 1100
DATE COLLECTION BEGAN (YYMMDD)	850108
TIME COLLECTION BEGAN (24 hour clock)	
COLLECTION METHOD	[X] GRAB [ ] COMPOSITE ______ HOURS

MAIL REPORTS TO (circle if changed)		
ORIGINAL	0133	USAF HOSPITAL MOODY / SGPB
COPY 1		MOODY AFB, GA 31699-5300
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
		460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 85 0141

ANALYSES REQUESTED (check appropriate blocks)

Check	Analysis	Code
	GROUP A	
	Ammonia	00610
	Chemical Oxygen Demand	00340
	Kjeldahl Nitrogen	00625
X	Nitrate	00620
X	Nitrite	00615
	Oil & Grease	00560
	Organic Carbon	00680
	Orthophosphate	00671
	Phosphorus, Total	00665
X	Hardness	00900
X	Iron	01045
X	Lead	01051
X	Magnesium	00927
X	Manganese	01055
X	Mercury	71900
	Nickel	01067
	Potassium	00937
X	Selenium	01147
X	Silver	01077
X	Sodium	00929
	Thallium	01059
X	Zinc	01092
	GROUP D	
	Cyanide, Total	00720
	Cyanide, Free	00722
	GROUP E	
	Phenols	32730
	GROUP F	
	Antimony	01097
X	Arsenic	01002
X	Barium	01007
	Beryllium	01012
	Boron	01022
X	Cadmium	01027
X	Calcium	00916
X	Chromium, Total	01034
	Chromium VI	01032
X	Copper	01042
	GROUP G	
	Acidity, Total	70508
X	Alkalinity, Total	00410
	Alkalinity, Bicarbonate	00425
	Bromide	71870
	Carbon Dioxide	00405
X	Chloride	00940
	Color	00080
	Fluoride	00951
	Iodide	71865
	Odor	00086
	Residue, Total	00500
X	Residue, Filterable (TDS)	70300
	Residue, Nonfilterable	00530
	Residue, Settleable	50086
	Residue, Volatile	00505
X	Silica	00955
	Specific Conductance	00095
X	Sulfate	00945
	Sulfite	00740
X	Surfactants -MBAS	38260
	Turbidity	00076
	GROUP H	
	BHC Isomers	39340
	Chlordane	39350
	DDT Isomers	39370
	Dieldrin	39380
X	Endrin	39390
	Heptachlor	39410
	Heptachlor Epoxide	39420
	Lindane	39782
X	Methoxychlor	39480
X	Toxaphene	39400
X	2,4-D	39730
	2,4,5-TP-Silvex	39760
X	2,4,5-T	39740
	GROUP J	
	Sulfides	00745
	GROUP T	
	Bromoform	32104
	Bromodichloromethane	32101
	Carbon Tetrachloride	32102
	Chloroform	32106
	Chloromethane	34418
	Dibromochloromethane	32105
	Methylene Chloride	34423
	Tetrachloroethylene	34475
	1,1,1-Trichloroethane	34506
	Trichloroethylene	39180
	Trihalomethanes	82080
	PCBs	39516

ON SITE ANALYSES

Parameter	Code	Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	8 units
Temperature	00010	64 °F

COMMENTS

…MENTAL SAMPLING DATA

(Space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)	0133 PD 003
BASE WHERE SAMPLE COLLECTED	MOODY AFB
SAMPLING SITE DESCRIPTION	MISSION LAKE Bld 1705
DATE COLLECTION BEGAN (YYMMDD)	85 01 08
TIME COLLECTION BEGAN (24 hour clock)	
COLLECTION METHOD	☒ GRAB ☐ COMPOSITE ____ HOURS
MAIL REPORTS TO (circle if changed) — ORIGINAL	0133 USAF HOSPITAL MOODY / SGPB, MOODY AFB, GA 31699-5300
COPY 1	
COPY 2	
SAMPLE COLLECTED BY (Name, Grade, AFSC)	
SIGNATURE	
AUTOVON	460 3505
REASON FOR SUBMISSION	R
BASE SAMPLE NUMBER	GP 85 0142

REASON FOR SUBMISSION codes: A-ACCIDENT/INCIDENT, R-ROUTINE/PERIODIC, C-COMPLAINT, N-NPDES, F-FOLLOWUP/CLEANUP, O-OTHER (specify)

ANALYSES REQUESTED (check appropriate blocks)

✓	GROUP A	Code
	Ammonia	00610
	Chemical Oxygen Demand	00340
	Kjeldahl Nitrogen	00625
✓	Nitrate	00620
	Nitrite	00615
	Oil & Grease	00560
	Organic Carbon	00680
	Orthophosphate	00671
	Phosphorus, Total	00665
	GROUP D	
	Cyanide, Total	00720
	Cyanide, Free	00722
	GROUP E	
	Phenols	32730
	GROUP F	
	Antimony	01097
✓	Arsenic	01002
✓	Barium	01007
	Beryllium	01012
	Boron	01022
✓	Cadmium	01027
✓	Calcium	00916
✓	Chromium, Total	01034
	Chromium VI	01032
✓	Copper	01042

✓	Analysis	Code
✓	Hardness	00900
✓	Iron	01045
✓	Lead	01051
✓	Magnesium	00927
✓	Manganese	01055
✓	Mercury	71900
	Nickel	01067
	Potassium	00937
✓	Selenium	01147
✓	Silver	01077
✓	Sodium	00929
	Thallium	01059
✓	Zinc	01092
	GROUP G	
	Acidity, Total	70508
✓	Alkalinity, Total	00410
✓	Alkalinity, Bicarbonate	00425
	Bromide	71870
	Carbon Dioxide	00405
✓	Chloride	00940
	Color	00080
	Fluoride	00951
	Iodide	71865
	Odor	00086
✓	Residue, Total	00500
✓	Residue, Filterable (TDS)	70300
	Residue, Nonfilterable	00530

✓	Analysis	Code
	Residue, Settleable	50086
	Residue, Volatile	00505
✓	Silica	00955
	Specific Conductance	00095
✓	Sulfate	00945
	Sulfite	00740
✓	Surfactants -MBAS	38260
	Turbidity	00076
	GROUP H	
	BHC Isomers	39340
	Chlordane	39350
	DDT Isomers	39370
	Dieldrin	39380
	Endrin	39390
	Heptachlor	39410
	Heptachlor Epoxide	39420
	Lindane	39782
✓	Methoxychlor	39480
✓	Toxaphene	39400
✓	2,4-D	39730
	2,4,5-TP-Silvex	39760
✓	2,4,5-T	39740
	GROUP J	
	Sulfides	00745

✓	GROUP T	Code
	Bromoform	32104
	Bromodichloromethane	32101
	Carbon Tetrachloride	32102
	Chloroform	32106
	Chloromethane	34418
	Dibromochloromethane	32105
	Methylene Chloride	34423
	Tetrachloroethylene	34475
	1,1,1-Trichloroethane	34506
	Trichloroethylene	39180
	Trihalomethanes	82080
	PCBs	39516

ON SITE ANALYSES

Parameter	Code	Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7.5 units
Temperature	00010	62 °F

COMMENTS

AF FORM 2752 JAN 81

...MENTAL SAMPLING DATA

...e for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 PD 004

BASE WHERE SAMPLE COLLECTED: MOODY AFR

SAMPLING SITE DESCRIPTION: GRASSY POND BLD 3019

DATE COLLECTION BEGAN (YYMMDD): 1 & 5 07 08

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: ☒ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
ORIGINAL 0133
COPY 1
COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31699-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460-3505

REASON FOR SUBMISSION: R
A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 85 0143

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A				GROUP D				GROUP E				GROUP F				GROUP G				GROUP H				GROUP J				GROUP T	
	Ammonia	00610	X	Hardness	00900		Cyanide, Total	00720		Phenols	32730		Antimony	01097	X	Acidity, Total	70508		Aldrin	39330		Sulfides	00745		Bromoform	32104
	Chemical Oxygen Demand	00340	X	Iron	01045		Cyanide, Free	00722				X	Alkalinity, Total	00410		Arsenic	01002	X	Alkalinity, Bicarbonate	00425		BHC Isomers	39340					Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625	X	Lead	01051								Barium	01007		Bromide	71870		Carbon Dioxide	00405		Chlordane	39350					Carbon Tetrachloride	32102
X	Nitrate	00620	X	Magnesium	00927								Beryllium	01012	X	Chloride	00940		Chlorine, Total	50060		DDT Isomers	39370					Chloroform	32106
	Nitrite	00615	X	Manganese	01055								Boron	01022		Color	00080		Dieldrin	39380		Endrin	39390					Chloromethane	34418
	Oil & Grease	00560	X	Mercury	71900								Cadmium	01027		Fluoride	00951		Endrin	39390		Heptachlor	39410					Dibromochloromethane	32105
	Organic Carbon	00680		Nickel	01067								Calcium	00916		Iodide	71865		Heptachlor Epoxide	39420		Lindane	39782					Methylene Chloride	34423
	Orthophosphate	00671		Potassium	00937							X	Chromium, Total	01034		Odor	00086		Lindane	39782		Methoxychlor	39480					Tetrachloroethylene	34475
	Phosphorus, Total	00665	X	Selenium	01147								Chromium VI	01032	X	Residue, Total	00500		Methoxychlor	39480		Toxaphene	39400					1,1,1-Trichloroethane	34506
			X	Silver	01077								Copper	01042		Residue, Filterable (TDS)	70300		Toxaphene	39400		2,4-D	39730					Trichloroethylene	39180
			X	Sodium	00929											Residue, Nonfilterable	00530		2,4-D	39730		2,4,5-TP-Silvex	39760					Trihalomethanes	82080
				Thallium	01059														2,4,5-TP-Silvex	39760		2,4,5-T	39740					PCBs	39516
				Zinc	01092														2,4,5-T	39740									

ON SITE ANALYSES	
Parameter	Value
Flow 50050	mgd
Chlorine, Total 50060	mg/l
Dissolved Oxygen 00300	mg/l
pH 00400	7.1 units
Temperature 00010	65 °F

COMMENTS

AF FORM JAN 81 2762

...NMENTAL SAMPLING DATA

(...ce for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7)	0 1 3 3 P D 0 0 5
BASE WHERE SAMPLE COLLECTED	MOODY AFB
SAMPLING SITE DESCRIPTION	TRANSMITTER SITE 1500
DATE COLLECTION BEGAN (YYMMDD)	8 5 0 1 0 2
TIME COLLECTION BEGAN (24 hour clock)	
COLLECTION METHOD	[X] GRAB [ ] COMPOSITE ____ HOURS

MAIL REPORTS TO (circle if changed)		
ORIGINAL	0 1 3 3	USAF HOSPITAL MOODY/SGPB
COPY 1		MOODY AFB, GA 31699-5300
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC)	SIGNATURE	AUTOVON
		460-3505

REASON FOR SUBMISSION: R — A-ACCIDENT/INCIDENT, R-ROUTINE/PERIODIC, C-COMPLAINT, N-NPDES, F-FOLLOWUP/CLEANUP, O-OTHER (specify)

BASE SAMPLE NUMBER: G P 8 5 0 1 4 4

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A									GROUP T	
	Ammonia	00610	X	Hardness	00900		Residue, Settleable	50086		Bromoform	32104
	Chemical Oxygen Demand	00340	X	Iron	01045		Residue, Volatile	00505		Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625	X	Lead	01051	X	Silica	00955		Carbon Tetrachloride	32102
X	Nitrate	00620	X	Magnesium	00927		Specific Conductance	00095		Chloroform	32106
	Nitrite	00615	X	Manganese	01055	X	Sulfate	00945		Chloromethane	34418
	Oil & Grease	00560	X	Mercury	71900		Sulfite	00740		Dibromochloromethane	32105
	Organic Carbon	00680		Nickel	01067	X	Surfactants -MBAS	38260		Methylene Chloride	34423
	Orthophosphate	00671		Potassium	00937		Turbidity	00076		Tetrachloroethylene	34475
	Phosphorus, Total	00665	X	Selenium	01147					1,1,1-Trichloroethane	34506
			X	Silver	01077					Trichloroethylene	39180
			X	Sodium	00929		**GROUP H**			Trihalomethanes	82080
	GROUP D			Thallium	01059		BHC Isomers	39340		PCBs	39516
	Cyanide, Total	00720	X	Zinc	01092		Chlordane	39350			
	Cyanide, Free	00722				X	DDT Isomers	39370			
							Dieldrin	39380			
	GROUP E			**GROUP G**			Endrin	39390			
	Phenols	32730		Acidity, Total	70508		Heptachlor	39410			
			X	Alkalinity, Total	00410		Heptachlor Epoxide	39420			
	GROUP F		X	Alkalinity, Bicarbonate	00425		Lindane	39782			
	Antimony	01097		Bromide	71870	X	Methoxychlor	39480			
X	Arsenic	01002		Carbon Dioxide	00405	X	Toxaphene	39400			
X	Barium	01007	X	Chloride	00940	X	2,4-D	39730		**ON SITE ANALYSES**	
	Beryllium	01012		Color	00080		2,4,5-TP-Silvex	39760		Parameter	Value
	Boron	01022		Fluoride	00951	X	2,4,5-T	39740		Flow 50050	mgd
X	Cadmium	01027		Iodide	71865					Chlorine, Total 50060	mg/l
X	Calcium	00916		Odor	00086					Dissolved Oxygen 00300	mg/l
X	Chromium, Total	01034	X	Residue, Total	00500					pH 00400	7.6 units
	Chromium VI	01032	X	Residue, Filterable (TDS)	70300		**GROUP J**			Temperature 00010	62 °F
X	Copper	01042		Residue, Nonfilterable	00530		Sulfides	00745			

COMMENTS

AF FORM 2752, JAN 81

ONMENTAL SAMPLING DATA

(Space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 PD 0006

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: RECEIVER SITE 1501

DATE COLLECTION BEGAN (YYMMDD): 18501 08

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133 / COPY 1 / COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31699-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 85 0145

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F
	Ammonia 00610		Cyanide, Total 00720		Phenols 32730		Antimony 01097
	Chemical Oxygen Demand 00340		Cyanide, Free 00722				
	Kjeldahl Nitrogen 00625						
X	Nitrate 00620						
	Nitrite 00615						
	Oil & Grease 00560						
	Organic Carbon 00680						
	Orthophosphate 00671						
	Phosphorus, Total 00665						

	GROUP A		GROUP G		GROUP H		GROUP T
X	Hardness 00900		Acidity, Total 70508		BHC Isomers 39340		Bromoform 32104
X	Iron 01045		Alkalinity, Total 00410		Chlordane 39350		Bromodichloromethane 32101
X	Lead 01051	X	Alkalinity, Bicarbonate 00425		DDT Isomers 39370		Carbon Tetrachloride 32102
X	Magnesium 00927		Bromide 71870		Dieldrin 39380		Chloroform 32106
X	Manganese 01055		Carbon Dioxide 00405		Endrin 39390		Chloromethane 34418
X	Mercury 71900	X	Chloride 00940		Heptachlor 39410		Dibromochloromethane 32105
	Nickel 01067		Color 00080		Heptachlor Epoxide 39420		Methylene Chloride 34423
	Potassium 00937		Fluoride 00951		Lindane 39782		Tetrachloroethylene 34475
X	Selenium 01147		Iodide 71865		Methoxychlor 39480		1,1,1-Trichloroethane 34506
X	Silver 01077		Odor 00086		Toxaphene 39400		Trichloroethylene 39180
X	Sodium 00929	X	Residue, Total 00500		2,4-D 39730		Trihalomethanes 82080
	Thallium 01059		Residue, Filterable (TDS) 70300		2,4,5-TP-Silvex 39760		PCBs 39516
	Zinc 01092		Residue, Nonfilterable 00530		2,4,5-T 39740		

	GROUP A		GROUP J
	Residue, Settleable 50086		Sulfides 00745
	Residue, Volatile 00505		
X	Silica 00955		
	Specific Conductance 00095		
X	Sulfate 00945		
	Sulfite 00740		
X	Surfactants -MBAS 38260		
	Turbidity 00076		

ON SITE ANALYSES

Parameter		Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7.4 units
Temperature	00010	105 °F

COMMENTS

AF FORM JAN 81 2752

LABORATORY ANALYSIS REPORT AND RECORD (LAR)

File 15-2

— —

USAF OEHL/SD
Brooks AFB TX 78235

SAMPLE IDENTITY: water sample.

DATE RECEIVED: 17 Jan. 85

SAMPLE FROM:

LAB CONTROL NO: see below

TEST FOR: primary drinking water standards for pesticide & e-c scrn

METHODOLOGY: Gas Chromatography

RESULTS — SAMPLE ANALYZED FOR	Quantitative Detection Limit (1 liter sample) Micrograms/Liter (parts per billion)	LAB CONTROL NUMBER - BASE CONTROL NUMBER: Concentration in 1 Liter Sample - Micrograms/Liter* 3577 GP85014S	3578 GP85014S
ldrin	.02	X	
DD	.02	X	
DE	.02	X	
ieldrin	.02	X	
ndrin	.02	X	
eptachlor	.02	X	
eptachloreposide	.02	X	
indane	.01	X	
,pl-DDT	.02		
iazinon	.02		
nlathion	.10		
arathion	.02		
ethoxychlor	.20	X	
,p-DDT	.02	X	
hlordane	.20	X	
lpha-BHC	.01	X	
eta-BHC	.02	X	
elta-BHC	.02	X	
oxaphene	1.0	X	
2,4-D	0.06		X
Silvex	0.06		X
2,4,5-T	0.06		X

Dennis L. Mark, M.S.

REMARKS
"T" means less than the quantitative detection limit (Trace present).
"X" means less than the qualitative detection limit (none detected).

REQUESTING Agency (mailing Address)
USAF Hospital Moody/SGPB
Moody AFB, GA. 31699-5300

YOSHIMI A. NISHIOKA, GS-12
Pesticides Analysis Function
Environmental Chemistry Branch

water sample.

DATE RECEIVED: 17 Jan. 85

FROM:

LAB CONTROL NO: See below

ST FOR: primary drinking water standards for pesticides + O-Cl screen

THODOLOGY: as Chromatography

RESULTS — SAMPLE ANALYZED FOR	Quantitative Detection Limit (1 liter sample) Micrograms/Liter (parts per billion)	LAB CONTROL NUMBER - BASE CONTROL NUMBER: Concentration in 1 Liter Sample - Micrograms/Liter*														
		3567 GP850140	3568 GP850140	3569 GP850140	3520 GP850141	3571 GP850141	3572 GP850142	3573 GP850142 (tissue)	3574 GP850143 (grass)	3575 GP850145	3576 GP850144	GP850144				
aldrin	.02	X		X		X		X		X						
DD	.02	X		X		X		X		X						
DE	.02	X		X		X		X		X						
ieldrin	.02	X		X		X		X		X						
drin	.02	X		X		X		X		X						
eptachlor	.02	X		X		X		X		X						
eptachloreposide	.02	X		X		X		X		X						
ndane	.01	X		X		X		X		X						
p,pl-DDT	.02	X		X		X		X		X						
azinon	.02															
lathion	.10															
arathion	.02															
ethoxychlor	.20	X		X		X		X		X						
p-DDT	.02	X		X		X		X		X						
hlordane	.20	X		X		X		X		X						
lpha-BHC	.01	X		X		X		X		X						
eta-BHC	.02	X		X		X		X		X						
elta-BHC	.02	X		X		X		X		X						
oxaphene	1.0	X		X		X		X		X						
2,4-D	0.06		X		X		X		X		X					
Silvex	0.06		X		X		X		X		X					
2,4,5-T	0.06		X		X		X		X		X					

Dennis Z. Mark, M.S.

MARKS

T" means less than the quantitative detection limit (Trace present).

X" means less than the qualitative detection limit (none detected).

YOSHIMI A. NISHIOKA, Chemist

YOSHIMI A. NISHIOKA, GS-12
Pesticides Analysis Function
Environmental Chemistry Branch

REQUESTING Agency (mailing Address)

USAF Hospital Moody/SGPB
Moody AFB, GA 31699-5300

9.10

LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
O EHL	3549-51 00008	GP850140 00028

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION	Hospital #900
5. DATE RECEIVED BY LAB	17 Jan. 85
6. DATE ANALYSIS COMPLETED	29 Jan. 85
8. SITE LOCATION NO	
9. FLOWRATE AT SITE 00058 GAL/MIN	
10. WEATHER 00041	
11. COLLECTION DATE/PERIOD	
12. NAME OF COLLECTOR	
13. SAMPLING TECHNIQUE	
14. PHONE NUMBER	
15. REASON FOR SAMPLE SUBMISSION	TRIENNIAL POTABLE WATER SAMPLE

ON-SITE ANALYTICAL RESULTS

16. WATER TEMP 000 10 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

19. RESULTS OF OTHER ON-SITE ANALYSES

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

50 PRESERVATION GROUP F (029)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µG/L
BARIUM	01007	<200.	1000 µG/L
CADMIUM	01027	<10.	10. µG/L
CHROMIUM	01034	<50.	50 µG/L
LEAD	01051	<20.	50 µG/L
MERCURY	71900	<1.	2 µG/L
SELENIUM	01147	<10.	10 µG/L
SILVER	01077	<10.	50 µG/L

49 PRESERVATION GROUP C (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	109.
IRON	01045	<100.
MANGANESE	01055	<50.
ZINC	01092	<50.
CALCIUM As Ca	00916	26.1 mg/l
MAGNESIUM as Mg	00927	10.6 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	5.3 mg/l
Beryllium		<10

51 PRESERVATION GROUP G (029)

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	0.
Alkalinity, Total, As $CaCO_3$	00410	100.
Chloride	00940	12.
Hardness As $CaCO_3$	00900	109.
Residue, Filtrable (TDS)	00515	175.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	.
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	17.
Surfactants MBAS As LAS	38260	.
alk. Bica.		100
silica		31.0 *

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

* Sample sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST: [signature] EH.NN

REVIEWED BY

APPROVED BY [signature]

AMD FORM MAR 68 229 — POTABLE WATER ANALYSIS

9.10

1. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
O EHL	3552-54 00008	GP850141 00028

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION	MUNITIONS AREA #1100
8. SITE LOCATION NO	
9. FLOWRATE AT SITE 00058 GAL/MIN	
10. WEATHER 00041	
11. COLLECTION DATE/PERIOD	Jan 17 12 00 AM '85
12. NAME OF COLLECTOR	
13. SAMPLING TECHNIQUE	
14. PHONE NUMBER	
15. REASON FOR SAMPLE SUBMISSION	TRIENNIAL POTABLE WATER SAMPLE
5. DATE RECEIVED BY LAB	17 Jan 85
6. DATE ANALYSIS COMPLETED	29 Jan 85

ON-SITE ANALYTICAL RESULTS

16. WATER TEMP 000 10 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

19. RESULTS OF OTHER ON-SITE ANALYSES

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

53 PRESERVATION GROUP F (023)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10 .	50 µ G/L
BARIUM	01007	<200 .	1000 µ G/L
CADMIUM	01027	<10 .	10. µ G/L
CHROMIUM	01034	<50 .	50 µ G/L
LEAD	01051	<20 .	50 µ G/L
MERCURY	71900	<1 .	2 µ G/L
SELENIUM	01147	<10 .	10 µ G/L
SILVER	01077	<10 .	50 µ G/L

52 PRESERVATION GROUP C (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	2.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	*See table in AFR 161-44*
TURBIDITY	00076	Units	1 Unit
(Grp C) nitrite		<.02	

B. OTHER ANALYSES (029)

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20 .
IRON	01045	128 .
MANGANESE	01055	<50 .
ZINC	01092	115 .
CALCIUM As Ca	00916	21.3 mg/l
MAGNESIUM as Mg	00927	6.8 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	. mg/l
[redacted]		

54 PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.	*Sulfate As SO_4*	00945	5.
Acidity, Total, As $CaCO_3$	00435	.	Surfactants MBAS As LAS	38260	<.1
Alkalin, Phenolth As $CaCO_3$	00415	12.	[redacted]		
Alkalinity, Total, As $CaCO_3$	00410	90.	silica		40.0*
Chloride	00940	8.			
Hardness As $CaCO_3$	00900	81			
Residue, Filtrable *(TDS)*	00515	145 .			
Residue, Non-Filtrable *(SS)*	00530	.			
Residue	00500	.			
Specific Conductance	00095	µmhos			

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

* sample sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST: KAN JONES FH.M

REVIEWED BY

APPROVED BY: [signature]

AMD FORM MAR 83 229 — POTABLE WATER ANALYSIS

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	3555-57 00008	GP850142 00029

SAMPLE COLLECTION INFORMATION	5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
7. SITE DESCRIPTION: Mission Lake #1705	17 Jan. 85	29 Jan. 85

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	ON-SITE ANALYTICAL RESULTS: 16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE	14. PHONE NUMBER
Jan 17 12 00 PM 85	

15. REASON FOR SAMPLE SUBMISSION: TRIENNIAL POTABLE WATER SAMPLE

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

56 PRESERVATION GROUP F (025)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µ G/L
BARIUM	01007	<200.	1000 µ G/L
CADMIUM	01027	<10.	10. µ G/L
CHROMIUM	01034	<50.	50 µ G/L
LEAD	01051	<20.	50 µ G/L
MERCURY	71900	<1.	2 µ G/L
SELENIUM	01147	<10.	10 µ G/L
SILVER	01077	<10.	50 µ G/L

53 PRESERVATION GROUP C (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	2.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20.
IRON	01045	<100.
MANGANESE	01055	<50.
ZINC	01092	202.
CALCIUM As Ca	00916	22.5 mg/l
MAGNESIUM as Mg	00927	13.7 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	43 mg/l

57 PRESERVATION GROUP G (026)

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	4.
Alkalinity, Total, As $CaCO_3$	00410	120.
Chloride	00940	4.
Hardness As $CaCO_3$	00900	113.
Residue, Filtrable (TDS)	00515	193.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	205
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	6.
Surfactants MBAS As LAS	38260	<.1
alka. Bicc.		112
silica		41.6*

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

* Samples sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST: DJJ

REVIEWED BY:

APPROVED BY:

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	3558-60 00008	GP850143 00020

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
17 Jan. 85	29 Jan. 85

7. SITE DESCRIPTION: GRASSY Pond 2019

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES
JAN 17	12 00 [illegible]	
13. SAMPLING TECHNIQUE	14. PHONE NUMBER	

15. REASON FOR SAMPLE SUBMISSION: TRIENNIAL POTABLE WATER SAMPLE

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

59 PRESERVATION GROUP F (025)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µ G/L
BARIUM	01007	<200.	1000 µ G/L
CADMIUM	01027	<10.	10. µ G/L
CHROMIUM	01034	<50.	50 µ G/L
LEAD	01051	<20.	50 µ G/L
MERCURY	71900	<1.	2 µ G/L
SELENIUM	01147	<10.	10 µ G/L
SILVER	01077	<10.	50 µ G/L

58 PRESERVATION GROUP C (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

60 PRESERVATION GROUP F (025) (022)

PARAMETER	TOTAL	µG/L
COPPER	01042	36.
IRON	01045	773.
MANGANESE	01055	<50.
ZINC	01092	
CALCIUM As Ca	00916	27.8 mg/l
MAGNESIUM as Mg	00927	3.2 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	5.5 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	6.
Alkalinity, Total, As $CaCO_3$	00410	90.
Chloride	00940	24.
Hardness As $CaCO_3$	00900	83.
Residue, Filtrable (TDS)	00515	171.
Residue, Non-Filtrable (SS)	00530	
Residue	00500	
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	4.
Surfactants MBAS As LAS	38260	<.1
Alka Bicarb		78
Silica		13.5*

PRESERVATION GROUP J

PARAMETER

1. ORGANIZATION REQUESTING ANALYSIS

* Sample sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST: [illegible] EHLNN

REVIEWED BY:

APPROVED BY: [signature]

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER (00008)	4. REQUESTOR SAMPLE NUMBER (00028)
O EHL	3561-63	GP850144

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
17 Jan. 85	29 Jan. 85

7. SITE DESCRIPTION: TRANSMITTER SITE #1500

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE (00058) GAL/MIN	10. WEATHER (00041)	16. WATER TEMP (000 10) °C	17. PH (00400) UNITS	18. DISS O_2 (00300) MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE	14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION: TRIENNIAL POTABLE WATER SURVEY

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

62 PRESERVATION GROUP F (023)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µ G/L
BARIUM	01007	<200.	1000 µ G/L
CADMIUM	01027	<10.	10. µ G/L
CHROMIUM	01034	<50.	50 µ G/L
LEAD	01051	<20.	50 µ G/L
MERCURY	71900	<1.	2 µ G/L
SELENIUM	01147	<10.	10 µ G/L
SILVER	01077	<10.	50 µ G/L

61 PRESERVATION GROUP C (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

63 PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	190.
IRON	01045	163.
MANGANESE	01055	<50.
ZINC	01092	714.
CALCIUM As Ca	00916	29.3 mg/l
MAGNESIUM as Mg	00927	11.7 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	4.8 mg/l

PRESERVATION GROUP G (024)

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	0
Alkalinity, Total, As $CaCO_3$	00410	118
Chloride	00940	12
Hardness As $CaCO_3$	00900	121
Residue, Filtrable (TDS)	00515	171
Residue, Non-Filtrable (SS)	00530	
Residue	00500	192
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	13.
Surfactants MBAS As LAS	38260	<.1
alka. Bicar.		118
silica		27.0 *

PRESERVATION GROUP J

PARAMETER

1. ORGANIZATION REQUESTING ANALYSIS

* Sample sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST: WD SMS FH.4H RG

REVIEWED BY:

APPROVED BY:

AMD FORM MAR 63 229 — POTABLE WATER ANALYSIS

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
O EHL	2564-66 00008	GP850145 00028

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION	8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	13. SAMPLING TECHNIQUE	14. PHONE NUMBER
RECIEVER SITE #1501 Jan 17 12 00 AM PM							

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
17 Jan. 85	29 Jan. 85

ON-SITE ANALYTICAL RESULTS

16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

19. RESULTS OF OTHER ON-SITE ANALYSES

15. REASON FOR SAMPLE SUBMISSION: TRIENNIAL POTABLE WATER SURVEY

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

65 PRESERVATION GROUP F (025)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µ G/L
BARIUM	01007	<200.	1000 µ G/L
CADMIUM	01027	<10.	10. µ G/L
CHROMIUM	01034	<50.	50 µ G/L
LEAD	01051	<20.	50 µ G/L
MERCURY	71900	<1.	2 µ G/L
SELENIUM	01147	<10.	10 µ G/L
SILVER	01077	<11.	50 µ G/L

64 PRESERVATION GROUP C (012)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	200.
IRON	01045	<100.
MANGANESE	01055	<50.
ZINC	[redacted]	
CALCIUM As Ca	00916	26.7 mg/l
MAGNESIUM as Mg	00927	12.0 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	4.3 mg/l
Beryllium		<11

66 PRESERVATION GROUP G (029)

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	0
Alkalinity, Total, As $CaCO_3$	00410	118
Chloride	00940	4.
Hardness As $CaCO_3$	00900	116.
Residue, Filtrable (TDS)	00515	189.
Residue, Non-Filtrable (SS)	00530	
Residue	00500	189.
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	13.
Surfactants MBAS As LAS	38260	<.1
alk. Bicarb.		118
silica		30.0 mg/l

PRESERVATION GROUP J

PARAMETER

1. ORGANIZATION REQUESTING ANALYSIS

* Sample sent in glass container instead of plastic. May cause erroneous results.

Moody AFB

CHEMIST

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229 — POTABLE WATER ANALYSIS

LABORATORY ANALYSIS REPORT AND PESTICIDE RESIDUE

18 FEB 1985

USAF OEHL/SEC
Brooks AFB TX 78235-5000

SAMPLE IDENTITY: water Sample.

DATE RECEIVED: 28 Jan 85

SAMPLE FROM:

LAB CONTROL NO: See below

TEST FOR: primary drinking water Standards for pesticide & o-Cl screen

METHODOLOGY: Gas Chromatography

RESULTS — SAMPLE ANALYZED FOR	Quantitative Detection Limit (1 liter sample) Micrograms/Liter (parts per billion)	LAB CONTROL NUMBER - BASE CONTROL NUMBER: Concentration in 1 Liter Sample - Micrograms/Liter*												
		5914 GP850013	5915 GP850014 #3	5916 GP850015	5917 GP850016	5918 GP850017 WELL #7	5919 GP850018	5920 GP850019 WELL #10	5921 GP850020	5922 GP850021				
Aldrin	.02	X	X	X	X	X	X	X	X	X	X			
DD	.02	X	X	X	X	X	X	X	X	X	X			
DE	.02	X	X	X	X	X	X	X	X	X	X			
Dieldrin	.02	X	X	X	X	X	X	X	X	X	X			
Endrin	.02	X	X	X	X	X	X	X	X	X	X			
Heptachlor	.02	X	X	X	X	X	X	X	X	X	X			
Heptachlorepoxide	.02	X	X	X	X	X	X	X	X	X	X			
Lindane	.01	X	X	X	X	X	X	X	X	X	X			
o,p'-DDT	.02													
Diazinon	.02													
Malathion	.10													
Parathion	.02													
Methoxychlor	.20	X	X	X	X	X	X	X	X	X	X			
p,p-DDT	.02	X	X	X	X	X	X	X	X	X	X			
Chlordane	.20	X	X	X	X	X	X	X	X	X	X			
Alpha-BHC	.01	X	X	X	X	X	X	X	X	X	X			
Beta-BHC	.02	X	X	X	X	X	X	X	X	X	X			
Gdelta-BHC	.02	X	X	X	X	X	X	X	X	X	X			
Toxaphene	1.0	X	X	X	X									
2,4-D	0.06													
Silvex	0.06													

REMARKS
"T" means less than the quantitative detection limit (Trace present).
"X" means less than the qualitative detection limit (none detected).

Dennis L. Monk, M.S., Chemist

REQUESTING Agency (Mailing Address)
USAF Hospital Moody/SGPB
Moody AFB, GA. 31699-5300

YOSHIMI A. NISHIOKA, Chemist
YOSHIMI A. NISHIOKA, GS-12
Pesticides Analysis Function
Environmental Chemistry Branch

...ATORY ANALYSIS REPORT AND RECORD

13 FEB 1985

USAF OEHL/SEL
Brooks AFB TX 78235-5000

ITEM: water samples.

DATE RECEIVED: 28 Jan 85

FROM:

LAB CONTROL NO: See below

ATTN:

PURPOSE: primary drinking water standards for pesticides & o-cl screen

METHODOLOGY: Gas Chromatography

RESULTS

SAMPLE ANALYZED FOR	Quantitative Detection Limit (1 liter sample) Micrograms/Liter (parts per billion)	LAB CONTROL NUMBER - BASE CONTROL NUMBER Concentration in 1 Liter Sample - Micrograms/Liter*												
		5923 GPFS0013	5924 GPFS0014	5925 GPFS0015	5926 GPFS0016	5927 GPFS0017	5928 GPFS0018	5929 GPFS0019	5930 GPFS0020	5931 GPFS0021				
ldrin	.02													
DD	.02													
DE	.02													
ieldrin	.02													
ndrin	.02													
ieptachlor	.02													
eptachlorepoxide	.02													
indane	.01													
p,p'-DDT	.02													
iazinon	.02													
alathion	.10													
Parathion	.02													
ethoxychlor	.20													
o,p-DDT	.02													
Chlordane	.20													
lpha-BHC	.01													
eta-BHC	.02													
delta-BHC	.02													
oxaphene	1.0													
2,4-D	0.06	X	X	X	X	X	X	X	X	X				
Silvex	0.06	X	X	X	X	X	X	X	X	X				
2,4,5-T	0.06	X	X	X	X	X	X	X	X	X				

Dennis T. Mark, chemist

REMARKS

"T" means less than the quantitative detection limit (Trace present).

"X" means less than the qualitative detection limit (none detected).

REQUESTING Agency (Mailing Address)

USAF Hospital Moody / SGPB
Moody AFB, GA 31699-5300

Yoshimi A. Nishioka

YOSHIMI A. NISHIOKA, Chemist
YOSHIMI A. NISHIOKA, GS-12
Pesticides Analysis Function
Environmental Chemistry Branch

File 15-C
cw

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): C133 AG 002

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL No 2 BLDG 946

DATE COLLECTION BEGAN (YYMMDD): 85 07

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE ______ HOURS

MAIL REPORTS TO (circle if changed):

ORIGINAL	0133	USAF HOSPITAL MOODY / SGPB
COPY 1		MOODY AFB, GA 31699 - 5300
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT, R-ROUTINE/PERIODIC, C-COMPLAINT, N-NPDES, F-FOLLOWUP/CLEANUP, O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0014

ANALYSES REQUESTED (check appropriate blocks)

Check	GROUP A	Code
	Ammonia	00610
	Chemical Oxygen Demand	00340
	Kjeldahl Nitrogen	00625
X	Nitrate	00620
	Nitrite	00615
X	Oil & Grease	00560
	Organic Carbon	00680
	Orthophosphate	00671
	Phosphorus, Total	00665

Check	GROUP D	Code
	Cyanide, Total	00720
	Cyanide, Free	00722

Check	GROUP E	Code
X	Phenols	32730

Check	GROUP F	Code
	Antimony	01097
X	Arsenic	01002
X	Barium	01007
	Beryllium	01012
	Boron	01022
X	Cadmium	01027
X	Calcium	00916
X	Chromium, Total	01034
	Chromium VI	01032
X	Copper	01042
X	Hardness	00900
X	Iron	01045
X	Lead	01051
X	Magnesium	00927
X	Manganese	01055
X	Mercury	71900
	Nickel	01067
	Potassium	00937
X	Selenium	01147
X	Silver	01077
X	Sodium	00929
	Thallium	01059
	Zinc	01092

Check	GROUP G	Code
	Acidity, Total	70508
X	Alkalinity, Total	00410
X	Alkalinity, Bicarbonate	00425
	Bromide	71870
	Carbon Dioxide	00405
	Chloride	00940
	Color	00080
	Fluoride	00951
	Iodide	71865
	Odor	00086
X	Residue, Total	00500
X	Residue, Filterable (TDS)	70300
	Residue, Nonfilterable	00530
	Residue, Settleable	50086
	Residue, Volatile	00505
X	Silica	00955
	Specific Conductance	00095
X	Sulfate	00945
	Sulfite	00740
X	Surfactants -MBAS	38260
	Turbidity	00076

Check	GROUP H	Code
	BHC Isomers	39340
	Chlordane	39350
	DDT Isomers	39370
	Dieldrin	39380
	Endrin	39390
	Heptachlor	39410
	Heptachlor Epoxide	39420
X	Lindane	39782
X	Methoxychlor	39480
X	Toxaphene	39400
X	2,4-D	39730
	2,4,5-TP-Silvex	39760
X	2,4,5-T	39740

Check	GROUP J	Code
	Sulfides	00745

Check	GROUP T	Code
	Bromoform	32104
	Bromodichloromethane	32101
	Carbon Tetrachloride	32102
	Chloroform	32106
	Chloromethane	34418
	Dibromochloromethane	32105
	Methylene Chloride	34423
	Tetrachloroethylene	34475
	1,1,1-Trichloroethane	34506
	Trichloroethylene	39180
	Trihalomethanes	82080
	PCBs	39516

ON SITE ANALYSES

Parameter	Code	Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7 units
Temperature	00010	[illegible] °C

COMMENTS

AF FORM JAN 81 2752

9,10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5884-58 00008	GP850014 00028

SAMPLE COLLECTION INFORMATION			5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
7. SITE DESCRIPTION			28 Jan. 85	12 Feb 85
			ON-SITE ANALYTICAL RESULTS	
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 000 10 °C / 17. PH 00400 UNITS	18. DISS O_2 00300 MG/L
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES	
13. SAMPLING TECHNIQUE		14. PHONE NUMBER		
15. REASON FOR SAMPLE SUBMISSION				

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

032 PRESERVATION GROUP F 57

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µG/L
BARIUM	01007	<200	1000 µG/L
CADMIUM	01027	<10	10. µG/L
CHROMIUM	01034	<50	50 µG/L
LEAD	01051	<20	50 µG/L
MERCURY	71900	<1	2 µG/L
SELENIUM	01147	<10	10 µG/L
SILVER	01077	<10	50 µG/L

PRESERVATION GROUP 56

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

038 PRESERVATION GROUP G 58

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B		112	
silica *		43	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20
IRON	01045	<100
MANGANESE	01055	<50
ZINC	01092	
CALCIUM As Ca	00916	26.9 mg/l
MAGNESIUM as Mg	00927	9.8 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	3.3 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	112
Chloride	00940	
Hardness As $CaCO_3$	00900	108
Residue, Filtrable (TDS)	00515	119
Residue, Non-Filtrable (SS)	00530	
Residue	00500	151
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	<1
Surfactants MBAS As LAS	38260	<.1
Grp B 54		
O+G		<0.3

PRESERVATION GROUP J 31

PARAMETER	
Grp E 55	
phenols	<1 µG/L

1. ORGANIZATION REQUESTING ANALYSIS
* Samples to be analyzed for silica content should
* be sent in plastic containers, not glass. See shipping guide.

Moody

CHEMIST: E. Witt

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

File 15-C

CW

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 AG 003

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL NO 3 BLDG 4804

DATE COLLECTION BEGAN (YYMMDD): 850411

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: ☐ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133 / COPY 1 / COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31644-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 85 0015

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610	X	Cyanide, Total 00720		Phenols 32730		Antimony 01097		Acidity, Total 70508		BHC Isomers 39340		Residue, Settleable 50086		Bromoform 32104
	Chemical Oxygen Demand 00340	✓	Cyanide, Free 00722			X	Arsenic 01002		Alkalinity, Total 00410		Chlordane 39350		Residue, Volatile 00505		Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625	✓				✓	Barium 01007		Alkalinity, Bicarbonate 00425		DDT Isomers 39370	X	Silica 00955		Carbon Tetrachloride 32102
X	Nitrate 00620	✓					Beryllium 01012		Bromide 71870		Dieldrin 39380		Specific Conductance 00095		Chloroform 32106
	Nitrite 00615	✓					Boron 01022		Carbon Dioxide 00405		Endrin 39390	X	Sulfate 00945		Chloromethane 34418
X	Oil & Grease 00560					✓	Cadmium 01027		Chloride 00940		Heptachlor 39410		Sulfite 00740		Dibromochloromethane 32105
	Organic Carbon 00680	✓				✓	Calcium 00916		Color 00080		Heptachlor Epoxide 39420	X	Surfactants -MBAS 38260		Methylene Chloride 34423
	Orthophosphate 00671	X				X	Chromium, Total 01034		Fluoride 00951		Lindane 39782		Turbidity 00076		Tetrachloroethylene 34475
	Phosphorus, Total 00665	✓					Chromium VI 01032		Iodide 71865		Methoxychlor 39480				1,1,1-Trichloroethane 34506
		X				✓	Copper 01042		Odor 00086		Toxaphene 39400				Trichloroethylene 39180
								✓	Residue, Total 00500		2,4-D 39730				Trihalomethanes 82080
						X			Residue, Filterable (TDS) 70300		2,4,5-TP-Silvex 39760				PCBs 39516
									Residue, Nonfilterable 00530	X	2,4,5-T 39740				

ON SITE ANALYSES

Parameter		Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7 units
Temperature	00010	20.5 °C

COMMENTS

AF FORM JAN 81 2752

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5859-63 00006	GP850015 00029

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB: 28 Jan. 85
6. DATE ANALYSIS COMPLETED: 12 Feb. 85

7. SITE DESCRIPTION

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO
9. FLOWRATE AT SITE 00056 GAL/MIN
10. WEATHER 00041
16. WATER TEMP 00010 °C
17. PH 00400 UNITS
18. DISS O_2 00300 MG/L
11. COLLECTION DATE/PERIOD
12. NAME OF COLLECTOR
19. RESULTS OF OTHER ON-SITE ANALYSES
13. SAMPLING TECHNIQUE
14. PHONE NUMBER
15. REASON FOR SAMPLE SUBMISSION

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

(032) PRESERVATION GROUP F 62

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µG/L
BARIUM	01007	<200	1000 µG/L
CADMIUM	01027	<10	10. µG/L
CHROMIUM	01034	<50	50 µG/L
LEAD	01051	<20	50 µG/L
MERCURY	71900	<1	2 µG/L
SELENIUM	01147	<10	10 µG/L
SILVER	01077	<10	50 µG/L

PRESERVATION GROUP G 61

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

(047) PRESERVATION GROUP G 63

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B			112
Silica	*	44.5	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20
IRON	01045	<100
MANGANESE	01055	<50
ZINC	01092	
CALCIUM As Ca	00916	31.3 mg/l
MAGNESIUM as Mg	00927	11.0 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	32 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	112
Chloride	00940	
Hardness As $CaCO_3$	00900	123
Residue, Filtrable (TDS)	00515	168
Residue, Non-Filtrable (SS)	00530	
Residue	00500	171
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	41
Surfactants MBAS As LAS	38260	<.1
Grp B 59		
O+G		<0.3
Grp E 60		
phenols		<10 ug/l

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS
* Samples to be analyzed for Silica content should be sent in plastic containers, not glass. See Shipping guide.

Moody

CHEMIST: EH; SSS EHitt
REVIEWED BY
APPROVED BY: [signature]

AMD FORM MAR 83 229 POTABLE WATER ANALYSIS

File 15-C

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 2 1 3 3 76 [redacted] 3 3 4

BASE WHERE SAMPLE COLLECTED: Moody AFB

SAMPLING SITE DESCRIPTION: Well No. 5 Bldg 1114

DATE COLLECTION BEGAN (YYMMDD): 8 5 0 1 1 1

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)

ORIGINAL	2 1 3 3	USAF Hospital Moody / SGB
COPY 1		Moody AFB, GA 31699-5000
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460-3502

REASON FOR SUBMISSION: [A]

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: 6 P 8 5 0 0 1 6

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		X	Hardness	00900		Residue, Settleable	50086		GROUP T	
	Ammonia	00610	X	Iron	01045		Residue, Volatile	00505		Bromoform	32104
	Chemical Oxygen Demand	00340	X	Lead	01051	X	Silica	00955		Bromodichloromethane	32101
	Kjeldahl Nitrogen	00625	X	Magnesium	00927		Specific Conductance	00095		Carbon Tetrachloride	32102
X	Nitrate	00620	X	Manganese	01055	X	Sulfate	00945		Chloroform	32106
	Nitrite	00615	X	Mercury	71900		Sulfite	00740		Chloromethane	34418
X	Oil & Grease	00560		Nickel	01067	X	Surfactants -MBAS	38260		Dibromochloromethane	32105
	Organic Carbon	00680		Potassium	00937		Turbidity	00076		Methylene Chloride	34423
	Orthophosphate	00671	X	Selenium	01147					Tetrachloroethylene	34475
	Phosphorus, Total	00665	X	Silver	01077					1,1,1-Trichloroethane	34506
			X	Sodium	00929		GROUP H			Trichloroethylene	39180
	GROUP D			Thallium	01059		BHC Isomers	39340		Trihalomethanes	82080
	Cyanide, Total	00720	X	Zinc	01092		Chlordane	39350		PCBs	39516
	Cyanide, Free	00722					DDT Isomers	39370			
							Dieldrin	39380			
	GROUP E			GROUP G		X	Endrin	39390			
X	Phenols	32730		Acidity, Total	70508		Heptachlor	39410			
			X	Alkalinity, Total	00410		Heptachlor Epoxide	39420			
	GROUP F		X	Alkalinity, Bicarbonate	00425		Lindane	39782			
	Antimony	01097		Bromide	71870	X	Methoxychlor	39480			
X	Arsenic	01002		Carbon Dioxide	00405	X	Toxaphene	39400			
X	Barium	01007		Chloride	00940	X	2,4-D	39730		ON SITE ANALYSES	
	Beryllium	01012		Color	00080		2,4,5-TP-Silvex	39760		Parameter	Value
	Boron	01022		Fluoride	00951	X	2,4,5-T	39740		Flow 50050	mgd
X	Cadmium	01027		Iodide	71865					Chlorine, Total 50060	mg/l
X	Calcium	00916		Odor	00086					Dissolved Oxygen 00300	mg/l
	Chromium, Total	01034	X	Residue, Total	00500					pH 00400	7.0 units
	Chromium VI	01032	X	Residue, Filterable (TDS)	70300		GROUP J			Temperature 00010	2 < 5 °C
X	Copper	01042		Residue, Nonfilterable	00530		Sulfides	00745			

COMMENTS

AF FORM JAN 81 2752

9,10

LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5864-68 00006	GP850016 00028

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION	5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
[illegible]	28 Jan. 85	12 Feb. 85

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 000 10 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD
12. NAME OF COLLECTOR
19. RESULTS OF OTHER ON-SITE ANALYSES
13. SAMPLING TECHNIQUE
14. PHONE NUMBER
15. REASON FOR SAMPLE SUBMISSION

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS *(40CFR 141)*

032 PRESERVATION GROUP F 67

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µ G/L
BARIUM	01007	<200	1000 µ G/L
CADMIUM	01027	<10	10. µ G/L
CHROMIUM	01034	<50	50 µ G/L
LEAD	01051	<20	50 µ G/L
MERCURY	71900	<1	2 µ G/L
SELENIUM	01147	<10	10 µ G/L
SILVER	01077	<10	50 µ G/L

PRESERVATION GROUP C 66 (3?)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

042 PRESERVATION GROUP G 63

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B		97	
silica*		44	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	34
IRON	01045	382
MANGANESE	01055	<50
ZINC	01092	50
CALCIUM As Ca	00916	19.4 mg/l
MAGNESIUM as Mg	00927	8.2 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	4.5 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	97
Chloride	00940	
Hardness As $CaCO_3$	00900	82
Residue, Filtrable (TDS)	00515	100
Residue, Non-Filtrable (SS)	00530	
Residue	00500	132
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	9
Surfactants MBAS As LAS	38260	<.1
Grp B 64		
CTE		<0.3
Grp E 65		
Phenols		< 10 µg/L

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

* Samples to be analyzed for silica should be
* sent in plastic containers not glass. See shipping guide

Moody

CHEMIST DB [illegible] SMS EHVH.

REVIEWED BY

APPROVED BY [signature]

AMD FORM MAR 83 229 · POTABLE WATER ANALYSIS

File 15-C

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 RG 005

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL NO 7 BLDG 1705

DATE COLLECTION BEGAN (YYMMDD): 850111

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133; COPY 1; COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31699-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3305

REASON FOR SUBMISSION: A

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0017

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G
	Ammonia 00610	X	Cyanide, Total 00720	X	Phenols 32730		Antimony 01097		Acidity, Total 70508
	Chemical Oxygen Demand 00340		Cyanide, Free 00722				Arsenic 01002	X	Alkalinity, Total 00410
	Kjeldahl Nitrogen 00625	X				X	Barium 01007	X	Alkalinity, Bicarbonate 00425
X	Nitrate 00620						Beryllium 01012	X	Bromide 71870
	Nitrite 00615						Boron 01022		Carbon Dioxide 00405
X	Oil & Grease 00560					X	Cadmium 01027		Chloride 00940
	Organic Carbon 00680					X	Calcium 00916		Color 00080
	Orthophosphate 00671					X	Chromium, Total 01034		Fluoride 00951
	Phosphorus, Total 00665						Chromium VI 01032		Iodide 71865
						X	Copper 01042		Odor 00086

X	Hardness 00900		Residue, Settleable 50086		GROUP T
X	Iron 01045		Residue, Volatile 00505		Bromoform 32104
X	Lead 01051	X	Silica 00955		Bromodichloromethane 32101
X	Magnesium 00927		Specific Conductance 00095		Carbon Tetrachloride 32102
X	Manganese 01055	X	Sulfate 00945		Chloroform 32106
X	Mercury 71900		Sulfite 00740		Chloromethane 34418
	Nickel 01067	X	Surfactants -MBAS 38260		Dibromochloromethane 32105
	Potassium 00937		Turbidity 00076		Methylene Chloride 34423
X	Selenium 01147				Tetrachloroethylene 34475
X	Silver 01077				1,1,1-Trichloroethane 34506
X	Sodium 00929		GROUP H		Trichloroethylene 39180
	Thallium 01059		BHC Isomers 39340		Trihalomethanes 82080
X	Zinc 01092		Chlordane 39350		PCBs 39516
			DDT Isomers 39370		
			Dieldrin 39380		
		X	Endrin 39390		
			Heptachlor 39410		
			Heptachlor Epoxide 39420		
		X	Lindane 39782		
		X	Methoxychlor 39480		
		X	Toxaphene 39400		
		X	2,4-D 39730		ON SITE ANALYSES
			2,4,5-TP-Silvex 39760		Parameter / Value
		X	2,4,5-T 39740		Flow 50050 mgd
					Chlorine, Total 50060 mg/l
					Dissolved Oxygen 00300 mg/l
					pH 00400 7.6 units
	GROUP J				Temperature 00010 20.5 °C
	Sulfides 00745				

COMMENTS

AF FORM JAN 81 2752

9,10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5869-73 00008	6P850017 00029

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB: 28 Jan. 85
6. DATE ANALYSIS COMPLETED: 12 Feb. 85

7. SITE DESCRIPTION

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO
9. FLOWRATE AT SITE 00058 GAL/MIN
10. WEATHER 00041
16. WATER TEMP 00010 °C
17. PH 00400 UNITS
18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD
12. NAME OF COLLECTOR
19. RESULTS OF OTHER ON-SITE ANALYSES

13. SAMPLING TECHNIQUE
14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

032 PRESERVATION GROUP F 73

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10 .	50 µ G/L
BARIUM	01007	<200 .	1000 µ G/L
CADMIUM	01027	<10 .	10. µ G/L
CHROMIUM	01034	<50 .	50 µ G/L
LEAD	01051	<20 .	50 µ G/L
MERCURY	71900	<1 .	2 µ G/L
SELENIUM	01147	<10 .	10 µ G/L
SILVER	01077	<10 .	50 µ G/L

PRESERVATION GROUP C 34

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

043 PRESERVATION GROUP G 73

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk P		120	
Silica *		29	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20 .
IRON	01045	<100 .
MANGANESE	01055	<50 .
ZINC	01092	<50 .
CALCIUM As Ca	00916	22.7 mg/l
MAGNESIUM as Mg	00927	12.8 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	4.2 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.	Sulfate As SO_4	00945	11 .
Acidity, Total, As $CaCO_3$	00435	.	Surfactants MBAS As LAS	38260	<.1
Alkalin, Phenolth As $CaCO_3$	00415	.	Grp B	69	
Alkalinity, Total, As $CaCO_3$	00410	120 .	OTG		0.3
Chloride	00940	.	Grp E	X	
Hardness As $CaCO_3$	00900	109 .	Phenols		<1.0 ug/L
Residue, Filtrable (TDS)	00515	125 .			
Residue, Non-Filtrable (SS)	00530	.			
Residue	00500	157 .			
Specific Conductance	00095	µmhos			

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS
* Samples to be analyzed for silica should be sent in plastic bottles not glass. See shipping guide

Moody

CHEMIST: [illegible]

REVIEWED BY

APPROVED BY: [signature]

AMD FORM MAR 83 229 POTABLE WATER ANALYSIS

Title 15-C gm

.VIRONMENTAL SAMPLING DATA

(Use ace for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 P6 006

BASE WHERE SAMPLE COLLECTED: Moody AFB GA

SAMPLING SITE DESCRIPTION: Well #9 Bldg 2027

DATE COLLECTION BEGAN (YYMMDD): 850110

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
ORIGINAL 0133 USAF Hospital Moody 1SGPB
COPY 1 Moody AFB GA 31699-5300
COPY 2

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460-3505

REASON FOR SUBMISSION: P
A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: 6F85 0018 OEHL PID:

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610	X	Cyanide, Total 00720	X	Phenols 32730		Antimony 01097	X	Acidity, Total 70508		BHC Isomers 39340		Residue, Settleable 50086		Bromoform 32104
	Chemical Oxygen Demand 00340	X	Cyanide, Free 00722				Arsenic 01002	X	Alkalinity, Total 00410		Chlordane 39350		Residue, Volatile 00505		Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625	X					Barium 01007	X	Alkalinity, Bicarbonate 00425		DDT Isomers 39370	X	Silica 00955		Carbon Tetrachloride 32102
X	Nitrate 00620	X					Beryllium 01012		Bromide 71870		Dieldrin 39380		Specific Conductance 00095		Chloroform 32106
	Nitrite 00615	X					Boron 01022		Carbon Dioxide 00405		Endrin 39390	X	Sulfate 00945		Chloromethane 34418
X	Oil & Grease 00560						Cadmium 01027		Chloride 00940		Heptachlor 39410		Sulfite 00740		Dibromochloromethane 32105
	Organic Carbon 00680						Calcium 00916		Color 00080		Heptachlor Epoxide 39420	X	Surfactants -MBAS 38260		Methylene Chloride 34423
	Orthophosphate 00671	X					Chromium, Total 01034		Fluoride 00951	X	Lindane 39782		Turbidity 00076		Tetrachloroethylene 34475
	Phosphorus, Total 00665	X					Chromium VI 01032		Iodide 71865	X	Methoxychlor 39480				1,1,1-Trichloroethane 34506
		X					Copper 01042		Odor 00086	X	Toxaphene 39400				Trichloroethylene 39180
								X	Residue, Total 00500	X	2,4-D 39730				Trihalomethanes 82080
								X	Residue, Filterable (TDS) 70300		2,4,5-TP-Silve: 39760				PCBs 39516
									Residue, Nonfilterable 00530	X	2,4,5-T 39740				
													Sulfides 00745		

ON SITE ANALYSES

Parameter		Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7.7 units
Temperature	00010	20.5 °C

COMMENTS

AF FORM JAN 81 2752

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5874-78 00008	GP850018 00028

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	28 Jan. 85
6. DATE ANALYSIS COMPLETED	12 Feb. 85

7. SITE DESCRIPTION

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD

12. NAME OF COLLECTOR

13. SAMPLING TECHNIQUE

14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

19. RESULTS OF OTHER ON-SITE ANALYSES

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

0321 PRESERVATION GROUP F 77

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µ G/L
BARIUM	01007	<200	1000 µ G/L
CADMIUM	01027	<10	10. µ G/L
CHROMIUM	01034	<50	50 µ G/L
LEAD	01051	<20	50 µ G/L
MERCURY	71900	<1	2 µ G/L
SELENIUM	01147	<10	10 µ G/L
SILVER	01077	<10	50 µ G/L

PRESERVATION GROUP C 76

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

043 PRESERVATION GROUP G 78

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951		See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B		93	
silica*		27.5	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20
IRON	01045	310
MANGANESE	01055	<50
ZINC	01092	
CALCIUM As Ca	00916	25.6 mg/l
MAGNESIUM as Mg	00927	2.7 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	2.9 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	
Acidity, Total, As $CaCO_3$	00435	
Alkalin, Phenolth As $CaCO_3$	00415	
Alkalinity, Total, As $CaCO_3$	00410	93
Chloride	00940	
Hardness As $CaCO_3$	00900	75
Residue, Filtrable (TDS)	00515	99
Residue, Non-Filtrable (SS)	00530	
Residue	00500	105
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	2
Surfactants MBAS As LAS	38260	<.1
Grp B 74		
C+G		<0.3
Grp E 75		
Phenols		<1 µg/l

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

* Samples to be analyzed for silica content should be shipped in plastic containers, not glass. Please see shipping guide

Moody

CHEMIST

RG

REVIEWED BY

APPROVED BY

[signature]

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

File 15c

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 AG 002

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL No 10 BLDG 2004

DATE COLLECTION BEGAN (YYMMDD): 850111

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: ☒ GRAB ☐ COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133; COPY 1; COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31644-5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3505

REASON FOR SUBMISSION: A

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0019

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610	X	Cyanide, Total 00720	X	Phenols 32730		Antimony 01097		Acidity, Total 70508		BHC Isomers 39340		Residue, Settleable 50086		Bromoform 32104
	Chemical Oxygen Demand 00340	X	Cyanide, Free 00722			X	Arsenic 01002		Alkalinity, Total 00410	X	Chlordane 39350	X	Residue, Volatile 00505		Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625					X	Barium 01007		Alkalinity, Bicarbonate 00425		DDT Isomers 39370	X	Silica 00955		Carbon Tetrachloride 32102
X	Nitrate 00620						Beryllium 01012		Bromide 71870		Dieldrin 39380		Specific Conductance 00095		Chloroform 32106
	Nitrite 00615						Boron 01022		Carbon Dioxide 00405	X	Endrin 39390	X	Sulfate 00945		Chloromethane 34418
X	Oil & Grease 00560					X	Cadmium 01027		Chloride 00940		Heptachlor 39410		Sulfite 00740		Dibromochloromethane 32105
	Organic Carbon 00680					X	Calcium 00916		Color 00080		Heptachlor Epoxide 39420	X	Surfactants -MBAS 38260		Methylene Chloride 34423
	Orthophosphate 00671	X				X	Chromium, Total 01034		Fluoride 00951	X	Lindane 39782		Turbidity 00076		Tetrachloroethylene 34475
	Phosphorus, Total 00665	X					Chromium VI 01032		Iodide 71865	X	Methoxychlor 39480				1,1,1-Trichloroethane 34506
		X				X	Copper 01042		Odor 00086	X	Toxaphene 39400				Trichloroethylene 39180
		X				X	Hardness 00900		Residue, Total 00500	X	2,4-D 39730				Trihalomethanes 82080
						X	Iron 01045	X	Residue, Filterable (TDS) 70300		2,4,5-TP-Silvex 39760				PCBs 39516
		X				X	Lead 01051		Residue, Nonfilterable 00530	X	2,4,5-T 39740				
						X	Magnesium 00927								
		X				X	Manganese 01055								
		X				X	Mercury 71900								
							Nickel 01067								
							Potassium 00937								
		X				X	Selenium 01147								
		X				X	Silver 01077								
		X				X	Sodium 00929								
							Thallium 01059								
		X				X	Zinc 01092								

ON SITE ANALYSES

Parameter		Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7.7 units
Temperature	00010	23.5 °C

COMMENTS

AF FORM JAN 81 2752

9, 10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5879-83 00008	CP85019 00020

SAMPLE COLLECTION INFORMATION			5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
7. SITE DESCRIPTION			28 Jan. 85	12 Feb. 85
			ON-SITE ANALYTICAL RESULTS	
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 00010 °C	17. PH 00400 UNITS
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES	
13. SAMPLING TECHNIQUE		14. PHONE NUMBER		
18. REASON FOR SAMPLE SUBMISSION				

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

032 PRESERVATION GROUP F 82

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	<10.	50 µG/L
BARIUM	01007	<200.	1000 µG/L
CADMIUM	01027	<10.	10. µG/L
CHROMIUM	01034	<50.	50 µG/L
LEAD	01051	<20.	50 µG/L
MERCURY	71900	<1.	2 µG/L
SELENIUM	01147	<10.	10 µG/L
SILVER	01077	<10.	50 µG/L

PRESERVATION GROUP G 85

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G 83

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit
Alk B		95	
silica *		58	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20.
IRON	01045	194.
MANGANESE	01055	<50.
ZINC	01092	533.
CALCIUM As Ca	00916	22.5 mg/l
MAGNESIUM as Mg	00927	7.7 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	7.7 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	.
Alkalinity, Total, As $CaCO_3$	00410	95.
Chloride	00940	.
Hardness As $CaCO_3$	00900	67.
Residue, Filtrable (TDS)	00515	101.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	101.
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	20.
Surfactants MBAS As LAS	38260	<.1
Hyp B	79	
C+C		<0.3
Hyp E	80	
Phenols		<.10 µG/L

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS
* Samples to be analyzed for Silica Content should be sent in plastic containers, not glass. Please see shipping guide.

Moody

CHEMIST
EH 2/11

REVIEWED BY

APPROVED BY
Donald Bird

AMD FORM MAR 83 229

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-9): 0133 AG 0028

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL NO 12 BLDG 1500

DATE COLLECTION BEGAN (YYMMDD): 850101

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed): ORIGINAL 0133 / COPY 1 / COPY 2

USAF HOSPITAL MOODY / SGPB
MOODY AFB, GA 31644-5500

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3505

REASON FOR SUBMISSION: A

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0020

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610	X	Cyanide, Total 00720	X	Phenols 32730		Antimony 01097		Acidity, Total 70508		BHC Isomers 39340		Residue, Settleable 50086		Bromoform 32104
	Chemical Oxygen Demand 00340		Cyanide, Free 00722				Arsenic 01002	X	Alkalinity, Total 00410	X	Chlordane 39350		Residue, Volatile 00505		Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625				GROUP E		Barium 01007	X	Alkalinity, Bicarbonate 00425	X	DDT Isomers 39370		Silica 00955	X	Carbon Tetrachloride 32102
X	Nitrate 00620				Phenols 32730	X	Beryllium 01012		Bromide 71870		Dieldrin 39380		Specific Conductance 00095		Chloroform 32106
	Nitrite 00615						Boron 01022		Carbon Dioxide 00405		Endrin 39390		Sulfate 00945	X	Chloromethane 34418
X	Oil & Grease 00560						Cadmium 01027	X	Chloride 00940		Heptachlor 39410		Sulfite 00740		Dibromochloromethane 32105
	Organic Carbon 00680						Calcium 00916	X	Color 00080		Heptachlor Epoxide 39420		Surfactants -MBAS 38260	X	Methylene Chloride 34423
	Orthophosphate 00671						Chromium, Total 01034		Fluoride 00951	X	Lindane 39782		Turbidity 00076		Tetrachloroethylene 34475
	Phosphorus, Total 00665						Chromium VI 01032		Iodide 71865	X	Methoxychlor 39480				1,1,1-Trichloroethane 34506
							Copper 01042		Odor 00086	X	Toxaphene 39400				Trichloroethylene 39180
								X	Residue, Total 00500	X	2,4-D 39730				Trihalomethanes 82080
								X	Residue, Filterable (TDS) 70300		2,4,5-TP-Silvex 39760				PCBs 39516
									Residue, Nonfilterable 00530	X	2,4,5-T 39740				
													Sulfides 00745		

ON SITE ANALYSES	
Parameter	Value
Flow 50050	mgd
Chlorine, Total 50060	mg/l
Dissolved Oxygen 00300	mg/l
pH 00400	7.7 units
Temperature 00010	20.3 °C

COMMENTS

FORM 2752

AD FOI MAF

ANALYSIS

9,10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5884-88 00008	GP850020 00029

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION		5. DATE RECEIVED BY LAB: 28 Jan. 85	6. DATE ANALYSIS COMPLETED: 12 Feb. 85
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	
13. SAMPLING TECHNIQUE		14. PHONE NUMBER	
15. REASON FOR SAMPLE SUBMISSION			

ON-SITE ANALYTICAL RESULTS

16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

19. RESULTS OF OTHER ON-SITE ANALYSES

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

PRESERVATION GROUP F 87 (32)

PARAMETER	TOTAL	µ G/L	MAX LEV ALLWD
ARSENIC	01002	<10	50 µ G/L
BARIUM	01007	<200	1000 µ G/L
CADMIUM	01027	<10	10. µ G/L
CHROMIUM	01034	<50	50 µ G/L
LEAD	01051	<20	50 µ G/L
MERCURY	71900	<1	2 µ G/L
SELENIUM	01147	<10	10 µ G/L
SILVER	01077	<10	50 µ G/L

PRESERVATION GROUP 86

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

PRESERVATION GROUP G 88

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B		116	
silica*		100	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	<20
IRON	01045	<100
MANGANESE	01055	<50
ZINC	01092	144
CALCIUM As Ca	00916	35.9 mg/l
MAGNESIUM as Mg	00927	11.8 mg/l
POTASSIUM	00937	mg/l
SODIUM	00929	3.8 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.	Sulfate As SO_4	00945	16
Acidity, Total, As $CaCO_3$	00435	.	Surfactants MBAS As LAS	38260	<.1
Alkalin, Phenolth As $CaCO_3$	00415	.	Grp B 84		
Alkalinity, Total, As $CaCO_3$	00410	116	C + G		<0.3
Chloride	00940	.	Grp E 85		
Hardness As $CaCO_3$	00900	113	Phenols		<10 µG/L
Residue, Filtrable (TDS)	00515	131	PRESERVATION GROUP J		
Residue, Non-Filtrable (SS)	00530	.	PARAMETER		
Residue	00500	156			
Specific Conductance	00095	µmhos			

1. ORGANIZATION REQUESTING ANALYSIS

** Samples to be analyzed for silica content should be shipped in plastic containers not glass. See shipping guide

CHEMIST: [illegible] EH-HH

REVIEWED BY

APPROVED BY

4D FORM MAR 83 229

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 RG 000

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: WELL NO 13 BLDG 1501

DATE COLLECTION BEGAN (YYMMDD): 850411

TIME COLLECTION BEGAN (24 hour clock):

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
ORIGINAL 0133
COPY 1
COPY 2

USAF HOSPITAL Moody / SGPB
Moody AFB, GA 31699 - 5300

SAMPLE COLLECTED BY (Name, Grade, AFSC):

SIGNATURE:

AUTOVON: 460 3505

REASON FOR SUBMISSION: A

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GA 85 0021

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610		Cyanide, Total 00720		Phenols 32730		Antimony 01097		Acidity, Total 70508		BHC Isomers 39340		Sulfides 00745		Bromoform 32104
	Chemical Oxygen Demand 00340		Cyanide, Free 00722				Arsenic 01002		Alkalinity, Total 00410		Chlordane 39350				Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625						Barium 01007		Alkalinity, Bicarbonate 00425		DDT Isomers 39370				Carbon Tetrachloride 32102
	Nitrate 00620						Beryllium 01012		Bromide 71870		Dieldrin 39380				Chloroform 32106
	Nitrite 00615						Boron 01022		Carbon Dioxide 00405		Endrin 39390				Chloromethane 34418
	Oil & Grease 00560						Cadmium 01027		Chloride 00940		Heptachlor 39410				Dibromochloromethane 32105
	Organic Carbon 00680						Calcium 00916		Color 00080		Heptachlor Epoxide 39420				Methylene Chloride 34423
	Orthophosphate 00671						Chromium, Total 01034		Fluoride 00951		Lindane 39782				Tetrachloroethylene 34475
	Phosphorus, Total 00665						Chromium VI 01032		Iodide 71865		Methoxychlor 39480				1,1,1-Trichloroethane 34506
							Copper 01042		Odor 00086		Toxaphene 39400				Trichloroethylene 39180
							Hardness 00900		Residue, Total 00500		2,4-D 39730				Trihalomethanes 82080
							Iron 01045		Residue, Filterable (TDS) 70300		2,4,5-TP-Silvex 39760				PCBs 39516
							Lead 01051		Residue, Nonfilterable 00530		2,4,5-T 39740				
							Magnesium 00927								
							Manganese 01055								
							Mercury 71900								
							Nickel 01067								
							Potassium 00937								
							Selenium 01147								
							Silver 01077								
							Sodium 00929								
							Thallium 01059								
							Zinc 01092								

	Residue, Settleable 50086		Residue, Volatile 00505		Silica 00955		Specific Conductance 00095		Sulfate 00945		Sulfite 00740		Surfactants -MBAS 38260		Turbidity 00076

ON SITE ANALYSES

Parameter		Value
Flow	50050	mgd
Chlorine, Total	50060	mg/l
Dissolved Oxygen	00300	mg/l
pH	00400	7 (units
Temperature	00010	22 °C

COMMENTS

AF FORM JAN 81 2752

9.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
OEHL	5889-93 00008	GA850021 00029

SAMPLE COLLECTION INFORMATION

7. SITE DESCRIPTION			5. DATE RECEIVED BY LAB: 28 Jan. 85	6. DATE ANALYSIS COMPLETED: 12 Feb. 85
8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 000 10 °C; 17. PH 00400 UNITS	18. DISS O_2 00300 MG/L
11. COLLECTION DATE/PERIOD		12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES	
13. SAMPLING TECHNIQUE		14. PHONE NUMBER		
15. REASON FOR SAMPLE SUBMISSION				

ON-SITE ANALYTICAL RESULTS

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

032 PRESERVATION GROUP F 92

PARAMETER	TOTAL	μ G/L	MAX LEV ALLWD
ARSENIC	01002	<10 .	50 μ G/L
BARIUM	01007	<200 .	1000 μ G/L
CADMIUM	01027	<10 .	10. μ G/L
CHROMIUM	01034	<50 .	50 μ G/L
LEAD	01051	<20 .	50 μ G/L
MERCURY	71900	<1 .	2 μ G/L
SELENIUM	01147	<10 .	10 μ G/L
SILVER	01077	<10 .	50 μ G/L

PRESERVATION GROUP G 91

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	<.1	10 MG/L

043 PRESERVATION GROUP G 93

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 161-44
TURBIDITY	00076	Units	1 Unit
Alk B		124	
silica	*	27	

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	μG/L
COPPER	01042	<20 .
IRON	01045	<100 .
MANGANESE	01055	<50 .
ZINC	01092	601 .
CALCIUM As Ca	00916	26.4 mg/l
MAGNESIUM as Mg	00927	11.7 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	4.1 mg/l

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.	Sulfate As SO_4	00945	14 .
Acidity, Total, As $CaCO_3$	00435	.	Surfactants MBAS As LAS	38260	<.1
Alkalin, Phenolth As $CaCO_3$	00415	.	Grp B 89		
Alkalinity, Total, As $CaCO_3$	00410	124.	O+G		<0.3
Chloride	00940	.	Grp E 90		
Hardness As $CaCO_3$	00900	114.	phenols		< 1 μg/L
Residue, Filtrable (TDS)	00515	128 .	PRESERVATION GROUP J		
Residue, Non-Filtrable (SS)	00530	.	PARAMETER		
Residue	00500	168 .			
Specific Conductance	00095	μmhos			

1. ORGANIZATION REQUESTING ANALYSIS

** Samples to be analyzed for silica content should be sent in plastic containers, not glass. See shipping guide.

Moody

CHEMIST: 1AH Sims EHN41

REVIEWED BY

APPROVED BY

AMD FORM MAR 83 229 — POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 PD 012

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: MISSION LAKE, BLDG 1705

DATE COLLECTION BEGAN (YYMMDD): 810510

TIME COLLECTION BEGAN (24 hour clock): 0830

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE _____ HOURS

MAIL REPORTS TO (circle if changed)
ORIGINAL 0133 — USAF HOSPITAL MOODY (SGPM)
COPY 1 — MOODY AFB, GA 31699
COPY 2

SAMPLE COLLECTED BY (Name, Grade, AFSC): S.W. PRAWDZIK, TSGT, 90770

SIGNATURE: Stephen W Prawdzik

AUTOVON: 460-3505

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 82 0012

ANALYSES REQUESTED (check appropriate blocks)

	GROUP A		GROUP D		GROUP E		GROUP F		GROUP G		GROUP H		GROUP J		GROUP T
	Ammonia 00610	X	Cyanide, Total 00720		Phenols 32730		Antimony 01097	X	Hardness 00900		BHC Isomers 39340		Residue, Settleable 50086		Bromoform 32104
	Chemical Oxygen Demand 00340	X	Cyanide, Free 00722				Arsenic 01002	X	Iron 01045	X	Chlordane 39350		Residue, Volatile 00505		Bromodichloromethane 32101
	Kjeldahl Nitrogen 00625	X					Barium 01007	X	Lead 01051	X	DDT Isomers 39370		Silica 00955		Carbon Tetrachloride 32102
X	Nitrate 00620	X					Beryllium 01012		Magnesium 00927	X	Dieldrin 39380		Specific Conductance 00095		Chloroform 32106
	Nitrite 00615	X					Boron 01022		Manganese 01055	X	Endrin 39390		Sulfate 00945	X	Chloromethane 34418
	Oil & Grease 00560						Cadmium 01027	X	Mercury 71900		Heptachlor 39410		Sulfite 00740		Dibromochloromethane 32105
	Organic Carbon 00680						Calcium 00916	X	Nickel 01067	X	Heptachlor Epoxide 39420		Surfactants -MBAS 38260		Methylene Chloride 34423
	Orthophosphate 00671	X					Chromium, Total 01034	X	Potassium 00937		Lindane 39782		Turbidity 00076		Tetrachloroethylene 34475
	Phosphorus, Total 00665	X					Chromium VI 01032	X	Selenium 01147	X	Methoxychlor 39480		CORROSIVITY		1,1,1-Trichloroethane 34506
							Copper 01042	X	Silver 01077	X	Toxaphene 39400				Trichloroethylene 39180
								X	Sodium 00929	X	2,4-D 39730				Trihalomethanes 82080
									Thallium 01059	X	2,4,5-TP-Silvex 39760				PCBs 39516
								X	Zinc 01092	X	2,4,5-T 39740				

ON SITE ANALYSES		
Parameter		Value
Flow	50050	— mgd
Chlorine, Total	50060	0.3 mg/l
Dissolved Oxygen	00300	4.0 mg/l
pH	00400	6.6 units
Temperature	00010	16 °C

COMMENTS

PLEASE COMPUTE CORROSIVITY INDEX

AF FORM JAN 81 2752

09.10

1. LABORATORY PERFORMING ANALYSIS	2. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
	1403-405 00000	GP82001 00000

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
13 Jan. 82	22 Jan. 82

7. SITE DESCRIPTION

ON-SITE ANALYTICAL RESULTS

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041	16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR	19. RESULTS OF OTHER ON-SITE ANALYSES
		Mission Lake Well
13. SAMPLING TECHNIQUE	14. PHONE NUMBER	
15. REASON FOR SAMPLE SUBMISSION		

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

404 PRESERVATION GROUP F (013)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	< 10.	50 µG/L
BARIUM	01007	< 1000.	1000 µG/L
CADMIUM	01027	< 10.	10. µG/L
CHROMIUM	01034	< 50.	50 µG/L
LEAD	01051	< 20.	50 µG/L
MERCURY	71900	< 2.	2 µG/L
SELENIUM	01147	< 10.	10 µG/L
SILVER	01077	< 10.	50 µG/L

403 PRESERVATION GROUP C (019)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00620	< .1	10 MG/L

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
FLUORIDE	00951	.	See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit
Alkalinity, Bicarbonate		= 116	
Carbon Dioxide, Free (By Calc.)		= 51	
Color		< 5 Units	
Odor = Plastic Container			

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	.
IRON	01045	105.
MANGANESE	01055	< 50.
ZINC	01092	365.
CALCIUM As Ca	00916	22.0 mg/l
MAGNESIUM as Mg	00927	13.1 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	3.7 mg/l
~~Hardness~~		

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	0 .
Alkalinity, Total, As $CaCO_3$	00410	116.
Chloride	00940	4.
Hardness As $CaCO_3$	00900	109.
Residue, Filtrable (TDS)	00515	180.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	.
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	12.
Surfactants MBAS As LAS	38260	< .1
Silica		52.0
Corrosivity Index =		-2.0

PRESERVATION GROUP J

PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS

Moody AFB

CHEMIST

REVIEWED BY

APPROVED BY

OEHL FORM NOV 76 2

POTABLE WATER ANALYSIS

ENVIRONMENTAL SAMPLING DATA

(Use this space for mechanical imprint)

SAMPLING SITE IDENTIFIER (AFR 19-7): 0133 PD 013

BASE WHERE SAMPLE COLLECTED: MOODY AFB

SAMPLING SITE DESCRIPTION: GRASSY POND, BLDG 2019

DATE COLLECTION BEGAN (YYMMDD): 821019 1951

TIME COLLECTION BEGAN (24 hour clock): 0830

COLLECTION METHOD: [X] GRAB [ ] COMPOSITE ______ HOURS

MAIL REPORTS TO (circle if changed):

ORIGINAL	0133	USAF HOSPITAL, MOODY (SGPM)
COPY 1		MOODY AFB, GA 31699
COPY 2		

SAMPLE COLLECTED BY (Name, Grade, AFSC): S.W. PRAWDZIK, TSGT, 90770

SIGNATURE: Stephen W Prawdzik

AUTOVON: 460-3506

REASON FOR SUBMISSION: R

A-ACCIDENT/INCIDENT R-ROUTINE/PERIODIC C-COMPLAINT N-NPDES F-FOLLOWUP/CLEANUP O-OTHER (specify)

BASE SAMPLE NUMBER: GP 82 0013

ANALYSES REQUESTED (check appropriate blocks)

GROUP A

	Ammonia	00610
	Chemical Oxygen Demand	00340
	Kjeldahl Nitrogen	00625
X	Nitrate	00620
	Nitrite	00615
	Oil & Grease	00560
	Organic Carbon	00680
	Orthophosphate	00671
	Phosphorus, Total	00665
X	Hardness	00900
X	Iron	01045
X	Lead	01051
X	Magnesium	00927
X	Manganese	01055
X	Mercury	71900
	Nickel	01067
	Potassium	00937
X	Selenium	01147
X	Silver	01077
X	Sodium	00929
	Thallium	01059
X	Zinc	01092
	Residue, Settleable	50086
	Residue, Volatile	00505
X	Silica	00955
	Specific Conductance	00095
X	Sulfate	00945
	Sulfite	00740
X	Surfactants -MBAS	38260
	Turbidity	00076
X	CORROSIVITY	

GROUP D

	Cyanide, Total	00720
	Cyanide, Free	00722

GROUP E

	Phenols	32730

GROUP F

	Antimony	01097
X	Arsenic	01002
X	Barium	01007
	Beryllium	01012
	Boron	01022
X	Cadmium	01027
X	Calcium	00916
X	Chromium, Total	01034
	Chromium VI	01032
	Copper	01042

GROUP G

	Acidity, Total	70508
X	Alkalinity, Total	00410
X	Alkalinity, Bicarbonate	00425
	Bromide	71870
X	Carbon Dioxide	00405
X	Chloride	00940
X	Color	00080
	Fluoride	00951
	Iodide	71865
X	Odor	00086
	Residue, Total	00500
X	Residue, Filterable (TDS)	70300
	Residue, Nonfilterable	00530

GROUP H

	BHC Isomers	39340
	Chlordane	39350
	DDT Isomers	3937[illegible]
	Dieldrin	39380
X	Endrin	39390
	Heptachlor	39410
	Heptachlor Epoxide	39420
X	Lindane	39782
X	Methoxychlor	39480
X	Toxaphene	39400
X	2,4-D	39730
X	2,4,5-TP-Silvex	39760
	2,4,5-T	39740

GROUP J

	Sulfides	00745

GROUP T

	Bromoform	32104
	Bromodichloromethane	32101
	Carbon Tetrachloride	32102
	Chloroform	32106
	Chloromethane	34418
	Dibromochloromethane	32105
	Methylene Chloride	34423
	Tetrachloroethylene	34475
	1,1,1-Trichloroethane	34506
	Trichloroethylene	39180
	Trihalomethanes	82080
	PCBs	39516

ON SITE ANALYSES

Parameter		Value
Flow	50050	— mgd
Chlorine, Total	50060	0.0 mg/l
Dissolved Oxygen	00300	0.6 mg/l
pH	00400	6.9 units
Temperature	00010	20° °C

COMMENTS: PLEASE COMPUTE CORROSIVITY INDEX

AF FORM JAN 81 2752

09.10

2. LABORATORY PERFORMING ANALYSIS	3. LAB SAMPLE NUMBER	4. REQUESTOR SAMPLE NUMBER
	1406 - 1408 00028	GP 820013 00029

SAMPLE COLLECTION INFORMATION

5. DATE RECEIVED BY LAB	6. DATE ANALYSIS COMPLETED
13 Jan. 82	22 Jan 82

7. SITE DESCRIPTION

8. SITE LOCATION NO	9. FLOWRATE AT SITE 00058 GAL/MIN	10. WEATHER 00041

ON-SITE ANALYTICAL RESULTS

16. WATER TEMP 00010 °C	17. PH 00400 UNITS	18. DISS O_2 00300 MG/L

11. COLLECTION DATE/PERIOD	12. NAME OF COLLECTOR

13. SAMPLING TECHNIQUE	14. PHONE NUMBER

15. REASON FOR SAMPLE SUBMISSION

19. RESULTS OF OTHER ON-SITE ANALYSES

GRASSY POND WELL

ANALYSES REQUESTED AND RESULTS

A. PRIMARY DRINKING WATER STANDARDS (40CFR 141)

407 PRESERVATION GROUP F (018)

PARAMETER	TOTAL	µG/L	MAX LEV ALLWD
ARSENIC	01002	< 10.	50 µG/L
BARIUM	01007	< 1000.	1000 µG/L
CADMIUM	01027	< 10.	10. µG/L
CHROMIUM	01034	< 50.	50 µG/L
LEAD	01051	< 20.	50 µG/L
MERCURY	71900	< 2.	2 µG/L
SELENIUM	01147	< 10.	10 µG/L
SILVER	01077	< 10.	50 µG/L

406 PRESERVATION GROUP C (09)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
NITRATE AS N (Cadmium Reduction Method)	00630	< .1	10 MG/L

PRESERVATION GROUP G (022)

PARAMETER	TOTAL	MG/L	MAX LEV ALLWD
415 FLUORIDE	00951	.	See table in AFR 141-44
TURBIDITY	00076	Units	1 Unit
Alkalinity, Bicarbonate		= 133 MG/L	
Carbon Dioxide, Free (By Calc)		= 30 MG/L	
Color		5 Units	
odor = Plastic Container			

B. OTHER ANALYSES

PRESERVATION GROUP F

PARAMETER	TOTAL	µG/L
COPPER	01042	.
IRON	01045	282.
MANGANESE	01055	< 50.
ZINC	01092	98.
CALCIUM As Ca	00916	37.4 mg/l
MAGNESIUM as Mg	00927	3.9 mg/l
POTASSIUM	00937	. mg/l
SODIUM	00929	2.5 mg/l
Hardness		

PRESERVATION GROUP G

PARAMETER	TOTAL	MG/L
Acidity, Mineral As $CaCO_3$	00436	.
Acidity, Total, As $CaCO_3$	00435	.
Alkalin, Phenolth As $CaCO_3$	00415	0 .
Alkalinity, Total, As $CaCO_3$	00410	133.
Chloride	00940	4.
Hardness As $CaCO_3$	00900	109.
Residue, Filtrable (TDS)	00515	185.
Residue, Non-Filtrable (SS)	00530	.
Residue	00500	.
Specific Conductance	00095	µmhos

PARAMETER	TOTAL	MG/L
Sulfate As SO_4	00945	8.
Surfactants MBAS As LAS	38260	< .1
Silica		26.6
Corrosivity Index = -1.2		

PRESERVATION GROUP J

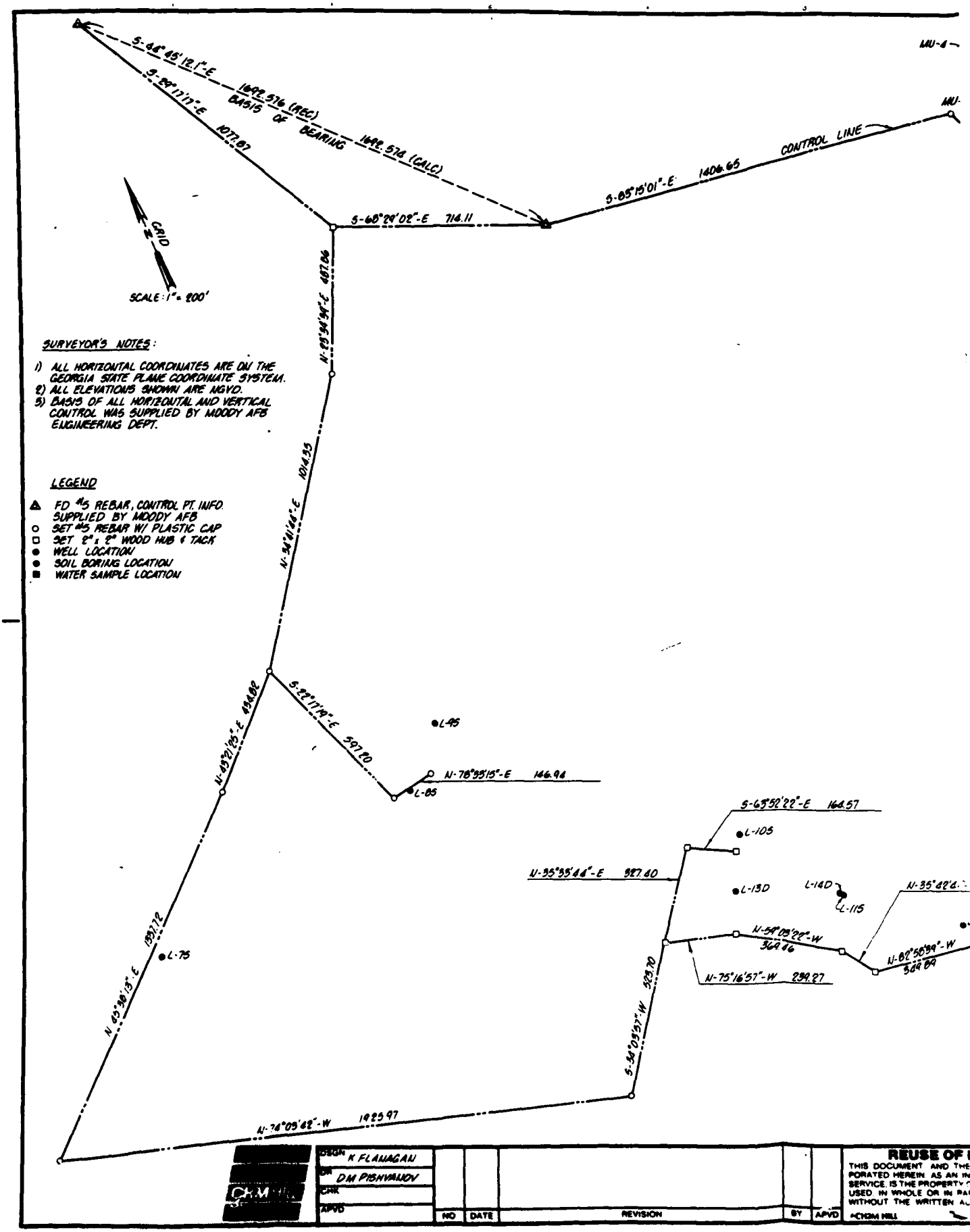
PARAMETER		

1. ORGANIZATION REQUESTING ANALYSIS	CHEMIST
Moody	RG ME DBB
	REVIEWED BY
	APPROVED BY

OEHL FORM NOV 76 2

POTABLE WATER ANALYSIS

Appendix K
SITE SURVEY
(PHASE II, STAGE 2)



SURVEYOR'S NOTES:

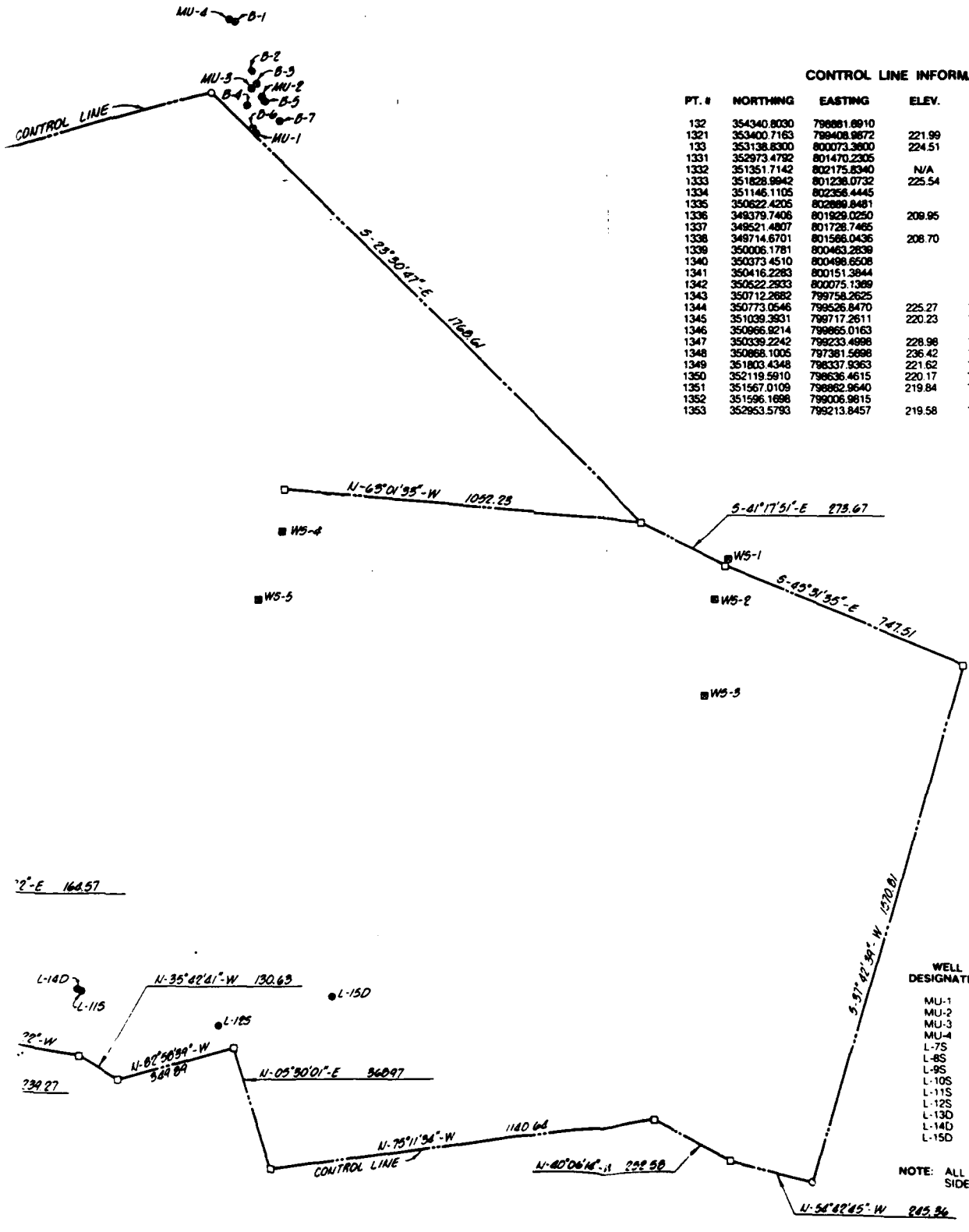
1) ALL HORIZONTAL COORDINATES ARE ON THE GEORGIA STATE PLANE COORDINATE SYSTEM.
2) ALL ELEVATIONS SHOWN ARE NGVD.
3) BASIS OF ALL HORIZONTAL AND VERTICAL CONTROL WAS SUPPLIED BY MOODY AFB ENGINEERING DEPT.

LEGEND

- ▲ FD #5 REBAR, CONTROL PT. INFO. SUPPLIED BY MOODY AFB
- ○ SET #5 REBAR W/ PLASTIC CAP
- □ SET 2" x 2" WOOD HUB & TACK
- ● WELL LOCATION
- ● SOIL BORING LOCATION
- ■ WATER SAMPLE LOCATION

DESIGN	K FLANAGAN
DR	DM PISHVANOV
CHK	
APVD	

NO	DATE	REVISION	BY	APVD



CONTROL LINE INFORMATION

PT. #	NORTHING	EASTING	ELEV.	POINT OF ELEVA
132	354340.8030	798881.6910		TOP CNTR. FD. IRON PIPE
1321	353400.7163	798408.9872	221.99	TOP CNTR. 2" x 2" H&T
133	353138.8300	800073.3800	224.51	
1331	352973.4792	801470.2305		TOP CNTR. #5 REBAR W/ C/
1332	351351.7142	802175.8340	N/A	
1333	351828.9942	801238.0732	225.54	
1334	351146.1105	802358.4445		
1335	350622.4205	802889.8481		
1336	349379.7406	801929.0250	209.95	TOP CNTR. #5 REBAR W/ C/
1337	349521.4807	801728.7465		
1338	349714.6701	801566.0436	208.70	TOP CNTR. 2" x 2" H&T
1339	350006.1781	800463.2839		
1340	350373.4510	800498.6508		
1341	350416.2283	800151.3844		
1342	350522.2933	800075.1389		TOP CNTR. 2" x 2" H&T
1343	350712.2682	799758.2625		
1344	350773.0546	799526.8470	225.27	TOP CNTR. 2" x 2" H&T
1345	351039.3931	799717.2611	220.23	TOP CNTR. 2" x 2" H&T
1346	350966.9214	799865.0163		
1347	350339.2242	799233.4998	228.98	TOP CNTR. #5 REBAR & CAI
1348	350868.1005	797381.5698	236.42	TOP CNTR. #5 REBAR & CAI
1349	351803.4348	798337.9363	221.62	TOP CNTR. #5 REBAR & CAI
1350	352119.5910	798636.4615	220.17	TOP CNTR. #5 REBAR & CAI
1351	351567.0109	798862.9640	219.84	TOP CNTR. #5 REBAR & CAI
1352	351596.1698	799006.9815		
1353	352953.5793	799213.8457	219.58	TOP CNTR. #5 REBAR & CAI

SOIL BORINC

BORING DESIGNATION	NC
B-1	35
B-2	35
B-3	35
B-4	35
B-5	35
B-6	35
B-7	35

WATER SAMPL

SAMPLE DESIGNATION	NOR
WS-1	35115
WS-2	35106
WS-3	35081
WS-4	35171
WS-5	35155

WELL INF

WELL DESIGNATION	NORTHING
MU-1	352818 7941
MU-2	352901 6430
MU-3	352937 9204
MU-4	353144 7738
L-7S	351371 1625
L-8S	351572 5546
L-9S	351748 6794
L-10S	351015 0489
L-11S	350698 1914
L-12S	350453 4691
L-13D	350844 2649
L-14D	350701 3562
L-15D	350404 5267

NOTE: ALL WELL ELEVATIONS ARE A SIDE OF THE CASING WITH

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

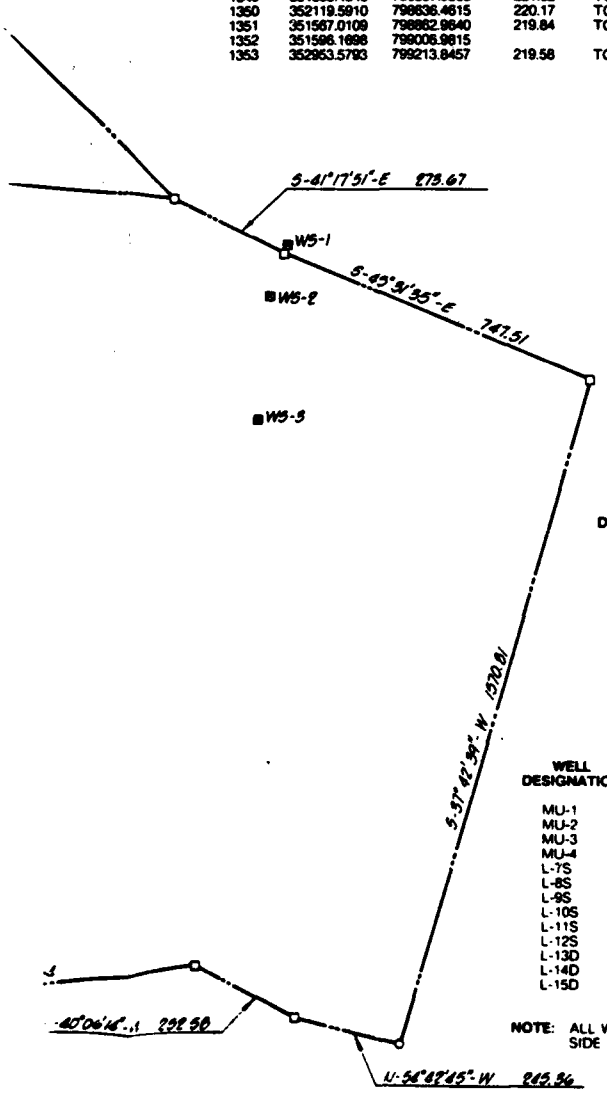
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

MOODY AIR FORCE BASE

SURVEY INFORMATION

CONTROL LINE INFORMATION

PT. #	NORTHING	EASTING	ELEV.	POINT OF ELEVATION
132	354340.8030	799881.8910		TOP CNTR. FD. IRON PIPE
1321	353400.7163	799408.9872	221.99	TOP CNTR. 2" x 2" H&T
133	353136.8300	800073.3800	224.51	
1331	352973.4792	801470.2305		TOP CNTR. #5 REBAR W/ CAP
1332	351351.7142	802175.8340	N/A	
1333	351828.9942	801238.0732	225.54	
1334	351146.1105	802356.4445		
1335	350622.4205	802869.8461		
1336	349379.7406	801929.0250	209.95	TOP CNTR. #5 REBAR W/ CAP PLS 3942
1337	349521.4807	801728.7485		
1338	349714.6701	801586.0436	208.70	TOP CNTR. 2" x 2" H&T
1339	350006.1781	800463.2839		
1340	350373.4510	800488.6508		
1341	350416.2283	800151.3944		
1342	350522.2933	800075.1389		TOP CNTR. 2" x 2" H&T
1343	350712.2682	799758.2625		
1344	350773.0546	799526.8470	225.27	TOP CNTR. 2" x 2" H&T
1345	351039.3931	799717.2611	220.23	TOP CNTR. 2" x 2" H&T
1346	350966.9214	799865.0163		
1347	350339.2242	799233.4998	226.98	TOP CNTR. #5 REBAR & CAP
1348	350868.1005	797381.5698	236.42	TOP CNTR. #5 REBAR & CAP
1349	351803.4348	798337.9363	221.62	TOP CNTR. #5 REBAR & CAP
1350	352119.5910	798836.4615	220.17	TOP CNTR. #5 REBAR & CAP
1351	351567.0109	798862.9840	219.84	TOP CNTR. #5 REBAR & CAP
1352	351596.1698	799006.9815		
1353	352953.5793	799213.8457	219.58	TOP CNTR. #5 REBAR & CAP



SOIL BORING LOCATIONS

BORING DESIGNATION	NORTHING	EASTING
B-1	353144.3816	801604.4671
B-2	352986.2414	801602.9579
B-3	352948.3324	801600.9938
B-4	352898.2179	801550.8768
B-5	352897.6917	801600.6450
B-6	352820.8018	801540.9938
B-7	352822.3885	801623.4697

WATER SAMPLE LOCATIONS

SAMPLE DESIGNATION	NORTHING	EASTING
WS-1	351157.5695	802369.4738
WS-2	351067.2014	802290.3945
WS-3	350817.1995	802158.7144
WS-4	351717.6426	801187.0896
WS-5	351558.7080	801045.6105

WELL INFORMATION

WELL DESIGNATION	NORTHING	EASTING	ELEVATION
MU-1	352818.7941	801542.7460	225.44
MU-2	352901.6430	801600.8800	224.90
MU-3	352937.9204	801580.0988	225.66
MU-4	353144.7738	801602.1086	226.04
L-7S	351371.1625	797943.6365	230.06
L-8S	351572.5546	798823.7488	222.77
L-9S	351748.6794	799085.0946	219.66
L-10S	351015.0489	798897.2328	220.40
L-11S	350698.1914	800148.4998	222.31
L-12S	350453.4891	800479.5749	222.63
L-13D	350844.2649	799813.9088	223.85
L-14D	350701.3562	800144.0156	222.31
L-15D	350404.5267	800819.2918	219.14

NOTE: ALL WELL ELEVATIONS ARE AT THE TOP OF THE NORTH SIDE OF THE CASING WITH THE CAPS REMOVED

PRELIMINARY

MOODY AIR FORCE BASE

SURVEY INFORMATION

SHEET 1 OF 1
DWG NO
DATE DEC. 1986
PROJ NO GW21222.CO

Appendix L
ANALYTICAL METHODS, PROCEDURES, DETECTION LEVELS, AND HOLDING TIMES

ANALYTICAL PARAMETERS
METHODS AND DETECTION LIMITS

Parameter	Medium	Method	Detection Limit[a]
Halogenated Volatile Organics	Water	E601	0.001 mg/l
	Soil	SW5030/SW8010	0.001 mg/l
Aromatic Volatile Organics	Water	SW5030/SW8020	0.001 mg/l
	Soil	SW5030/SW8020	0.001 mg/l
Extractable Priority Pollutants	Water	E625	0.01 to 0.05 mg/l range[b]
Petroleum Hydrocarbons	Water	E418.1	1 mg/l
	Soil	SW3550/E418.1	1 mg/l
Priority Pollutant Metals	Water	E200.7	
Sb			0.053 mg/l
Be			0.0003 mg/l
Cd			0.004 mg/l
Cr			0.007 mg/l
Cu			0.006 mg/l
Pb			0.042 mg/l
Ni			0.015 mg/l
Ag			0.007 mg/l
Tl			0.040 mg/l
Zn			0.002 mg/l
Selenium	Water	E270.2	0.002 mg/l
Arsenic	Water	E206.2	0.001 mg/l
Lead	Water	E239.2	0.002 mg/l
	Soil	SW3010/SW7420	50 mg/kg
Mercury	Water	E245.1	0.0002 mg/l
Filterable Residue	Water	E160.1	10 mg/l

[a] Detection limits may vary if sample must be diluted for analysis or if matrix interference occurs.

[b] Detection limits for Method E625 are compound specific.

SAMPLE CONTAINERS, PRESERVATION TECHNIQUES, AND HOLDING TIMES

Sample Parameter	Container[a]	Preservation Technique[b,c]	Maximum Holding Time[d]
Metals (except Chromium (VI) and Mercury	P,G	HNO_3 to pH <2	6 months
Chromium (VI)	P,G	Cool to 40°C	24 hours
Mercury	P	HNO_3 to pH <2	28 days
Purgeable Halocarbons[f]	G, Teflon®-lined septum	Cool to 4°C 0.008% $Na_2S_2O_3$[e]	14 days
Purgeable Aromatics[f]	G, Teflon®-lined septum	Cool to 4°C 0.008% $Na_2S_2O_3$[e] HCl to pH <2[g]	14 days
Base/Neutral Extractables[f]	G, Teflon®-lined septum	Cool to 40°C 0.008% $Na_2S_2O_3$[e]	7 days until extraction, 40 days after extraction
Acid Extractables[f]	G, Teflon®-lined septum	Cool to 4°C 0.008% $Na_2S_2O_3$[e]	7 days until extraction, 40 days after extraction
TDS	P,G	Cool to 4°C	7 days
Petroleum Hydrocarbons	G	HCl to pH 6.1 Cool to 4°C	None specified if preserved.

[a]Polyethylene (P) or Glass (G).

[b]Sample preservation should be performed immediately upon sample collection. For composite chemical samples each aliquot should be preserved at the time of collection. When use of an automated sampler makes it impossible to preserve each aliquot, then chemical samples may be preserved by maintaining at 4°C until compositing and sample splitting is completed.

[c]When any sample is to be shipped by common carrier or sent through the United States Mails, it must comply with the Department of Transportation Hazardous Materials Regulations (49 CFR Part 172). The person offering such material for transportation is responsible for ensuring such compliance. For the preservation requirements of Table 6-1, the Office of Hazardous Materials, Materials Transportation Bureau, Department of Transportation has determined that the Hazardous Materials Regulations do not apply to the following materials: Hydrochloric acid (HCl) in water solutions at concentrations of 0.04% by weight or less (pH about 1.96 or greater); Nitric acid (NHO_3) in water solutions at concentrations of 0.15% by weight or less (pH about 1.62 or greater); Sulfuric acid (H_2SO_4) in water solutions at concentrations of 0.35% by weight or less (pH about 1.15 or greater); and Sodium hydroxide (NaOH) in water solutions at concentrations of 0.080% by weight or less (pH about 12.30 or less).

[d]Samples should be analyzed as soon as possible after collection. The times listed are the maximum times that samples may be held before analysis and still be considered valid. Samples may be held for longer periods only if data on file shows that the specific types of samples under study are stable for the longer time, and has received a variance from the U.S. EPA Regional Administrator. Some samples may not be stable for the maximum time period given in the table. A permittee, or monitoring laboratory, is obligated to hold the sample for a shorter time if knowledge exists to show that this is necessary to maintain sample stability.

[e]Should only be used in the presence of residual chlorine.

[f]Guidance applies to samples to be analyzed by GC, LC, or GC/MS for specific compounds.

[g]Sample receiving no pH adjustment must be analyzed within seven days of sampling.

LABORATORY HOLDING TIMES

Date Sampled	Sample Designation	Sample Number	Type of Sample	Type of Analysis	Date Extracted	Holding Time to Extraction	Maximum Holding Time to Extraction	Date Analyzed	Holding Time to Analysis	Max. Holding Time to Analysis
11/24/86	MUS SPT 2'-4'	37586	Soil	SW5030/SW8020	--	--	--	12/2/86	8 Days	None
	MUS SPT 4'-6'	37587	"	"	--	--	--	12/3/86	9 Days	"
	MUS SPT 6'-8'	37588	"	"	--	--	--	"	"	"
	MUS SPT 12'-14'	37589	"	"	--	--	--	12/2/86	8 Days	"
	(Duplicate)	37590	"	"	--	--	--	"	"	"
12/02/86	MFSW-3	37762	Water	E601 & SW5030/SW8020	--	--	--	12/10/86	8 Days	14 Days
	MFSW-4	37764	"	"	--	--	--	"	"	"
	MFSW-5	37766	"	"	--	--	--	"	"	"
	Travel Blank	37769	"	"	--	--	--	"	"	"
	MFSD-3	37763	Soil	SW5030/SW8010 & SW8020	--	--	--	12/9/86	7 Days	None
	MFSD-4	37765	"	"	--	--	--	"	"	"
	MFSD-5	37767	"	"	--	--	--	12/10/86	8 Days	"
	MFSD-6	37768	"	"	--	--	--	"	"	"
	(MFSD-5 Duplicate)									
12/01/86	MFSW-1	37748	Water	E601 & SW5030/SW8020	--	--	--	12/10/86	8 Days	14 Days
	MFSW-2	37749	"	"	--	--	--	"	"	"
	MLSW-7	37752	"	"	--	--	--	"	"	"
	Travel Blank	37753	"	"	--	--	--	"	"	"
	MFSD-1	37750	Soil	SW5030/SW8010 & SW8020	--	--	--	12/9/86	7 Days	None
	MFSD-2	37751	"	"	--	--	--	"	"	"
12/03/86	MU-1	37799	Water	E601 & SW5030/SW8020	--	--	--	12/16/86	13 Days	14 Days
	MU-2	37800	"	"	--	--	--	12/15/86	12 Days	"
	MU-3	37801	"	"	--	--	--	"	"	"
	MU-4	37802	"	"	--	--	--	"	"	"
	MU-5	37803	"	"	--	--	--	"	"	"
	(MU-4 Duplicate)									
	ML-1	37804	"	"	--	--	--	12/16/86	13 Days	14 Days
	ML-7S	37805	"	"	--	--	--	"	"	"
	ML-8S	37806	"	"	--	--	--	"	"	"
	ML-9S	37807	"	"	--	--	--	"	"	"
	ML-9D	37808	"	"	--	--	--	"	"	"
	(ML-9S Duplicate)									
	ML-11S	37809	"	"	--	--	--	12/16/86	13 Days	14 Days
	ML-15D	37810	"	"	--	--	--	"	"	"
	Travel Blank	37811	"	"	--	--	--	"	"	"

LABORATORY HOLDING TIMES
(Continued)

Date Sampled	Sample Designation	Sample Number	Type of Sample	Type of Analysis	Date Extracted	Holding Time to Extraction	Maximum Holding Time to Extraction	Date Analyzed	Holding Time to Analysis	Max. Holding Time to Analysis
12/04/86	ML-3	37824	Water	E601 & SW5030/SW8020	--	--	--	12/17/86	12 Days	14 Days
	ML-12S	37826	"	"	--	--	--	"	"	"
	ML-14D	37828	"	"	--	--	--	12/18/86	13 Days	"
	Bailer Blank	37829	"	"	--	--	--	"	"	"
	Travel Blank	37830	"	"	--	--	--	"	"	"
	MGSW-10	37831	"	"	--	--	--	12/17/86	12 Days	"
12/05/86	ML-10S	37825	Water	E601 & SW5030/SW8020	--	--	--	12/17/86	12 Days	14 Days
	ML-13D	37827	"	"	--	--	--	"	"	"
12/01/86	MLSW-7	37752	Water	E625	12/8/86	5 Days	7 Days	12/9/86	1 Day	40 Days
12/03/86	ML-15D	37810	Water	E625	12/9/86	6 Days	7 Days	12/12/86	3 Days	40 Days
	ML-1	37804	"	"	"	"	"	12/18/86	9 Days	"
	ML-7S	37805	"	"	"	"	"	12/12/86	3 Days	"
	ML-9S	37807	"	"	"	"	"	12/18/86	9 Days	"
	ML-9D	37808	"	"	"	"	"	12/12/86	3 Days	"
	ML-8S	37806	"	"	"	"	"	"	"	"
	Travel Blank	37811	"	"	"	"	"	"	"	"
	ML-11S	37809	"	"	12/10/86	7 Days	"	12/18/86	8 Days	"
12/04/86	ML-3	37824	Water	E625	12/10/86	6 Days	7 Days	12/18/86	8 Days	40 Days
	ML-12S	37826	"	"	"	"	"	12/15/86	5 Days	"
	Bailer Blank	37829	"	"	"	"	"	"	"	"
	ML-14D	37828	"	"	"	"	"	"	"	"
	Trip Blank	37830	"	"	"	"	"	"	"	"
12/05/86	ML-10S	37825	Water	E625	12/10/86	6 Days	7 Days	12/18/86	8 Days	40 Days
	ML-13D	37827	"	"	"	"	"	"	"	"
12/01/86	MFSD-1	37750	Soil	SW3010/SW7420	--	--	--	12/17/86	16 Days	None
	MFSD-2	37751	"	"	--	--	--	"	"	"
12/02/86	MFSD-3	37763	Soil	SW3010/SW7420	--	--	--	12/17/86	15 Days	None
	MFSD-4	37765	"	"	--	--	--	"	"	"
	MFSD-5	37767	"	"	--	--	--	"	"	"
	MFSD-6	37768	"	"	--	--	--	"	"	"
	(MFSD-5 Duplicate)									
12/01/86	MFSW-1	37748	Water	E239.2, E270.2, E206.2, E245.1	--	--	--	12/18/86	17 Days	28 Days
	MFSW-2	37749	"	"	--	--	--	"	"	"
	MLSW-7	37752	"	"	--	--	--	"	"	"

LABORATORY HOLDING TIMES
(Continued)

Date Sampled	Sample Designation	Sample Number	Type of Sample	Type of Analysis	Date Extracted	Holding Time to Extraction	Maximum Holding Time to Extraction	Date Analyzed	Holding Time to Analysis	Max. Holding Time to Analysis
12/02/86	MPSW-3	37762	Water	E239.2, E270.2, E206.2, E245.1	--	--	--	12/18/86	16 Days	28 Days
	MPSW-3 (Duplicate)	37762-D	"	"	--	--	--	"	"	"
	MPSW-4	37764	"	"	--	--	--	"	"	"
	MPSW-5	37766	"	"	--	--	--	"	"	"
12/03/86	ML-11S	37809	Water	E239.2, E270.2, E206.2, E245.1	--	--	--	12/18/86	15 Days	28 Days
	ML-1	37804	"	"	--	--	--	"	"	"
	ML-7S	37805	"	"	--	--	--	"	"	"
	ML-8S	37806	"	"	--	--	--	"	"	"
	ML-9S	37807	"	"	--	--	--	"	"	"
	ML-9D (ML-9S Duplicate)	37808	"	"	--	--	--	"	"	"
	ML-15D	37810	"	"	--	--	--	"	"	"
12/04/86	ML-3	37824	Water	E239.2, E270.2, E206.2, E245.1	--	--	--	12/18/86	13 Days	28 Days
	ML-12S	37826	"	"	--	--	--	"	"	"
	ML-14D	37828	"	"	--	--	--	"	"	"
	Bailer Blank	37829	"	"	--	--	--	"	"	"
12/05/86	ML-10S	37825	Water	E239.2, E270.2, E206.2, E245.1	--	--	--	12/18/86	13 Days	28 Days
	ML-13D	37827	"	"	--	--	--	"	"	"
12/03/86	ML-1	37804	Water	E200.7	--	--	--	01/26/87	54 Days	6 Mos
	ML-7S	37805	"	"	--	--	--	"	"	"
	ML-8S	37806	"	"	--	--	--	"	"	"
	ML-9S	37807	"	"	--	--	--	"	"	"
	ML-9D (ML-9S Duplicate)	37808	"	"	--	--	--	"	"	"
	ML-11S	37809	"	"	--	--	--	"	"	"
	ML-15D	37810	"	"	--	--	--	"	"	"
12/04/86	ML-3	37824	Water	E200.7	--	--	--	1/26/87	54 Days	6 Mos
	ML-12S	37826	"	"	--	--	--	"	"	"
	ML-14D	37828	"	"	--	--	--	"	"	"
	Bailer Blank	37829	"	"	--	--	--	"	"	"
12/05/86	ML-10S	37825	Water	E200.7	--	--	--	1/26/87	54 Days	6 Mos
	ML-13D	37827	"	"	--	--	--	"	"	"

LABORATORY HOLDING TIMES
(Continued)

Date Sampled	Sample Designation	Sample Number	Type of Sample	Type of Analysis	Date Extracted	Holding Time to Extraction	Maximum Holding Time to Extraction	Date Analyzed	Holding Time to Analysis	Max. Holding Time to Analysis
12/01/86	MLSW-7	37752	Water	E200.7	--	--	--	1/26/87	54 Days	6 Mos
12/03/86	ML-1	37804	Water	E160.1	--	--	--	12/9/86	6 Days	7 Days
	ML-7S	37805	"	"	--	--	--	"	"	"
	ML-8S	37806	"	"	--	--	--	"	"	"
	ML-9S	37807	"	"	--	--	--	"	"	"
	ML-9D	37808	"	"	--	--	--	"	"	"
	(ML-9S Duplicate)									
	ML-11S	37809	"	"	--	--	--	"	"	"
	ML-15D	37810	"	"	--	--	--	"	"	"
12/04/86	ML-3	37824	Water	E160.1	--	--	--	12/9/86	4 Days	7 Days
	ML-12S	37826	"	"	--	--	--	"	"	"
	ML-14D	37828	"	"	--	--	--	"	"	"
	Bailer Blank	37829	"	"	--	--	--	"	"	"
12/05/86	ML-10S	37825	Water	E160.1	--	--	--	12/9/86	4 Days	7 Days
	ML-13D	37827	"	"	--	--	--	"	"	"
12/01/86	MLSW-7	37752	Water	E160.1	--	--	--	12/9/86	6 Days	7 Days
12/03/86	MU-1	37799	Water	E418.1	-	-	-	12/11/86	8 Days	-
	MU-2	37800	"	"	-	-	-	"	"	-
	MU-3	37801	"	"	-	-	-	"	"	-
	MU-4	37802	"	"	-	-	-	"	"	-
	MU-5	37803	"	"	-	-	-	"	"	-
	ML-1	37804	"	"	-	-	-	"	"	-
	ML-7S	37805	"	"	-	-	-	"	"	-
	ML-8S	37806	"	"	-	-	-	"	"	-
	ML-9S	37807	"	"	-	-	-	"	"	-
	ML-9D	37808	"	"	-	-	-	"	"	-
	ML-11S	37809	"	"	-	-	-	"	"	-
	ML-15D	37810	"	"	-	-	-	"	"	-
	Travel Blank	37811	"	"	-	-	-	"	"	-
12/04/86	ML-3	37824	Water	E418.1	-	-	-	12/11/86	7 Days	-
12/05/86	ML-10S	37825	"	"	-	-	-	"	6 Days	-
12/04/86	ML-12S	37826	"	"	-	-	-	"	7 Days	-
12/05/86	ML-13D	37827	"	"	-	-	-	"	6 Days	-
12/04/86	ML-14D	37828	"	"	-	-	-	"	7 Days	-
	Bailer Blank	37820	"	"	-	-	-	"	"	-
	Travel Blank	37830	"	"	-	-	-	"	"	-

LABORATORY HOLDING TIMES
(Continued)

Date Sampled	Sample Designation	Sample Number	Type of Sample	Type of Analysis	Date Extracted	Holding Time to Extraction	Maximum Holding Time to Extraction	Date Analyzed	Holding Time to Analysis	Max. Holding Time to Analysis
12/01/86	MPSW-1	37748	Water	E418.1	-	-	-	12/16/86	15 Days	-
	MPSW-2	37749	"	"	-	-	-	"	"	-
	MLSW-7	37752	"	"	-	-	-	"	"	-
12/02/86	MPSW-3	37762	"	"	-	-	-	"	14 Days	-
	MPSW-4	37764	"	"	-	-	-	"	"	-
	MPSW-5	37766	"	"	-	-	-	"	"	-
12/01/86	MPSD-1	37750	Soil	E418.1	-	-	-	12/11/86	10 Days	-
	MPSD-2	37751	"	"	-	-	-	"	"	-
12/02/86	MPSD-3	37763	"	"	-	-	-	"	9 Days	-
	MPSD-4	37765	"	"	-	-	-	"	"	-
	MPSD-5	37767	"	"	-	-	-	"	"	-
	MPSD-6	37768	"	"	-	-	-	"	"	-

Appendix M
RECOMMENDED ABANDONMENT PROCEDURES FOR MONITOR WELLS

RECOMMENDED WELL ABANDONMENT PROCEDURES

1. Remove protective vaults. This will require destruction of the concrete pad encasing the vault. Cut the protective vault off approximately 0.5 foot below land surface.

2. Circulate bentonite slurry as required to free casing and screen (if feasible).

3. When the casing and screen are free, withdraw them from the hole while maintaining the hole full of slurry. It may be necessary to continue circulating while withdrawing the casing and screen.

4. After withdrawing the casing and screen, fill the remaining hole with bentonite slurry and allow to stabilize for 24 hours.

5. Cut the well casing off approximately 0.5 foot below land surface.

6. Place a 1- to 2-foot thick cement plug atop the slurry, and fill any remaining depression with clean soil.

7. In situations where the casing cannot be withdrawn, make the pressure-tight connection to the surface casing and pressurize with bentonite slurry to 60 psi and maintain for 1 hour to allow the slurry to permeate the gravel pack in the annulus. Then place of 2-foot cement plug in the casing approximately 2 feet below ground level. Cut off casing and fill any remaining depression with clean soil.

8. In situations where the well casing is broken or bent, or an obstruction is found, the well must be cleaned out to the initially-constructed depth prior to sealing.